

FIG. 1A  
(Prior Art)

WHITE DISPLAY  
(VOLTAGE NOT APPLIED)

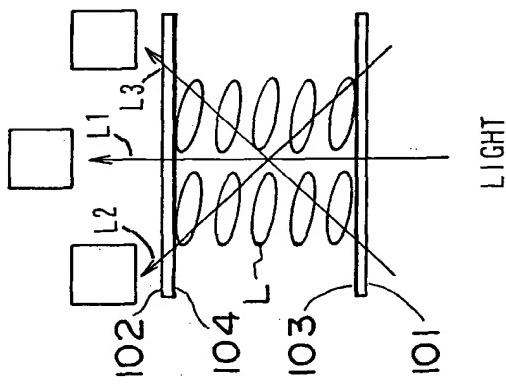


FIG. 1B  
(Prior Art)

HALF TONE DISPLAY  
(VOLTAGE  $V_1$ )

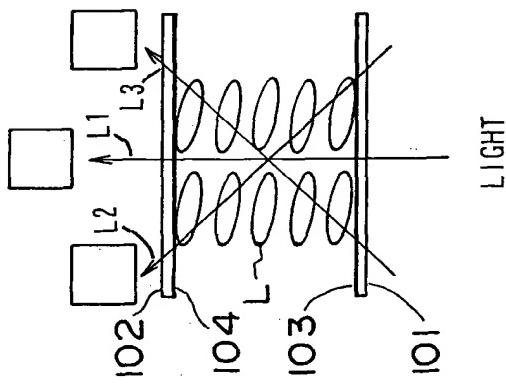
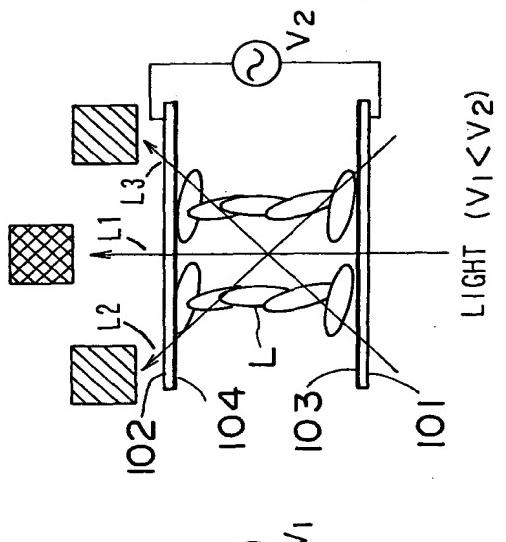


FIG. 1C  
(Prior Art)

BLACK DISPLAY  
(VOLTAGE  $V_2$ )



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FIG. 2A  
(Prior Art)

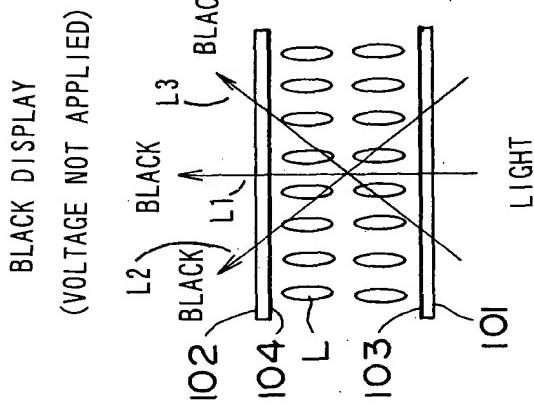


FIG. 2B  
(Prior Art)

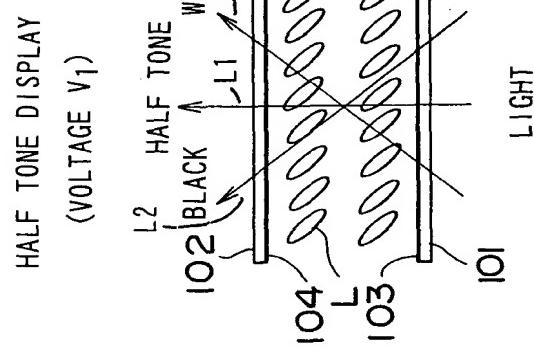
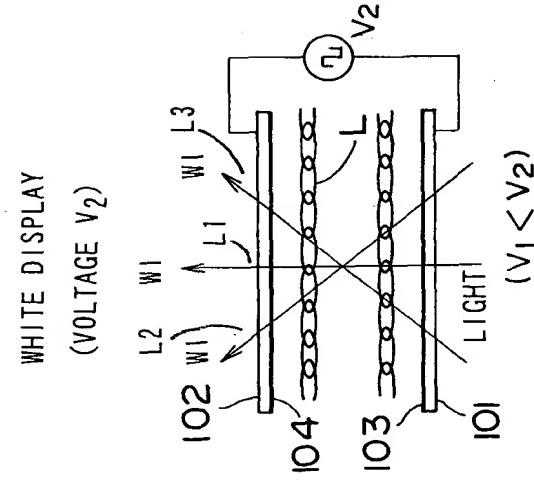


FIG. 2C  
(Prior Art)



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FIG. 3A  
(Prior Art)

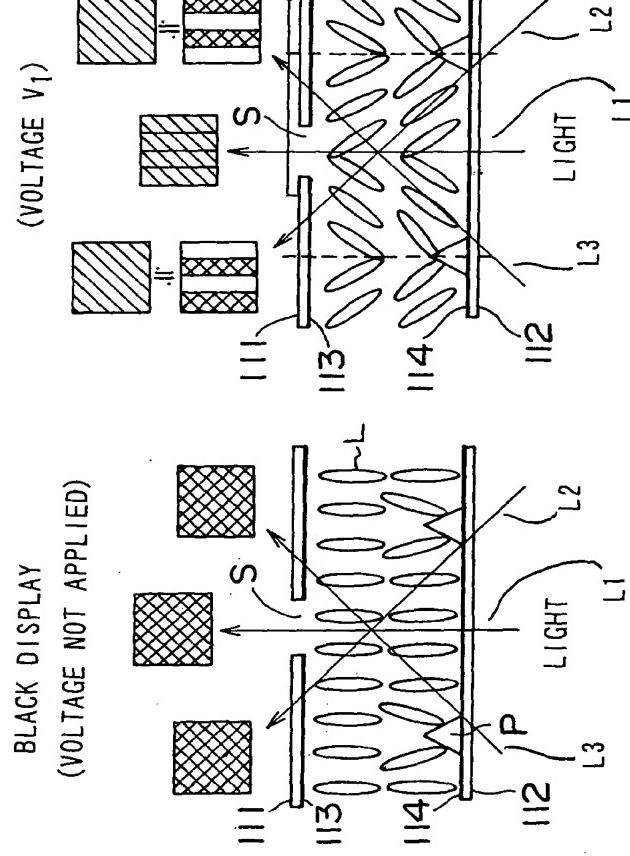


FIG. 3B  
(Prior Art)

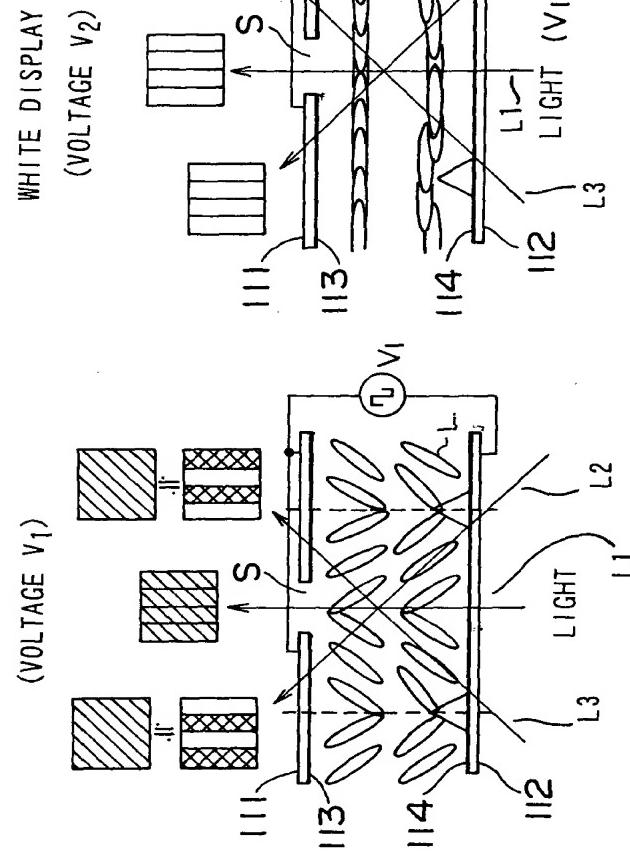
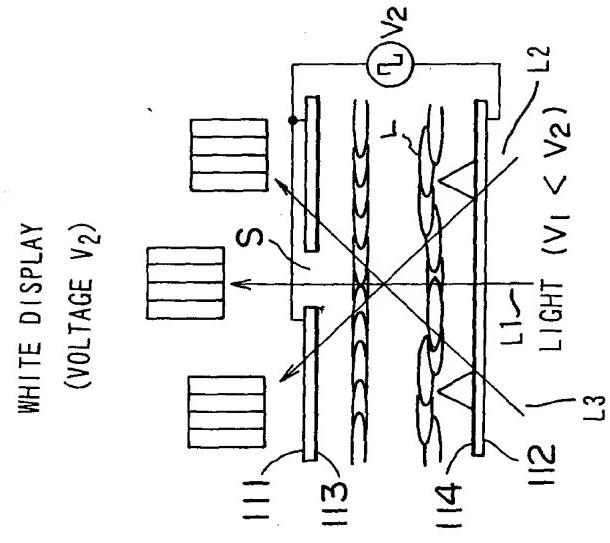
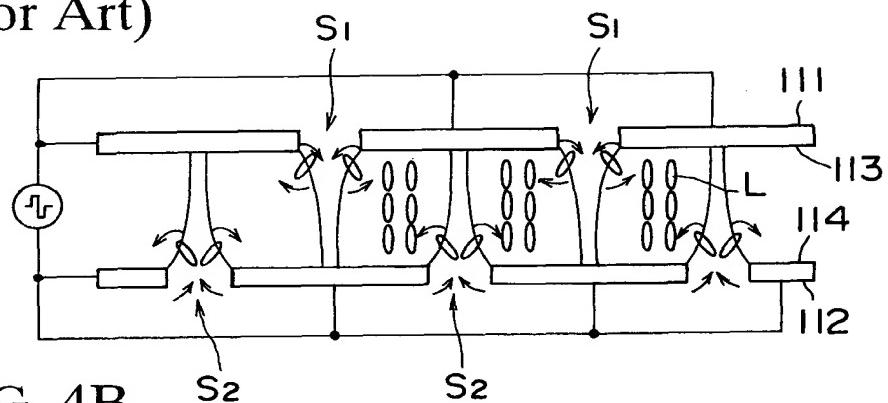


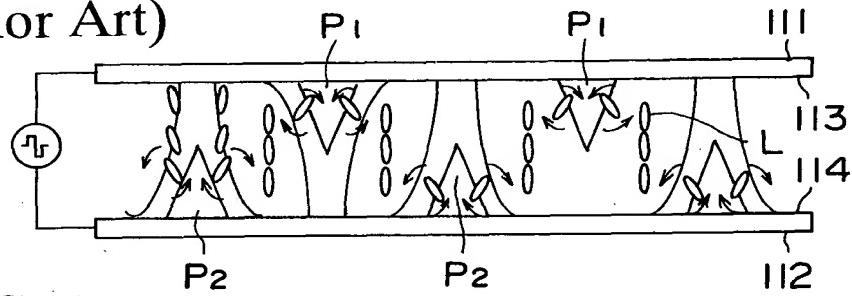
FIG. 3C  
(Prior Art)



**FIG. 4A**  
**(Prior Art)**



**FIG. 4B**  
**(Prior Art)**



**FIG. 4C**  
**(Prior Art)**

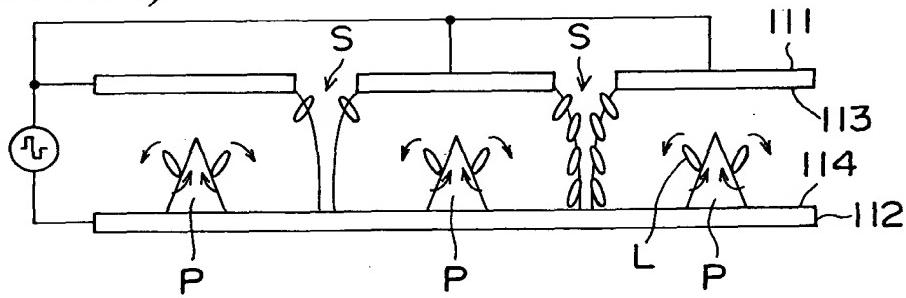


FIG. 5 (Prior Art)

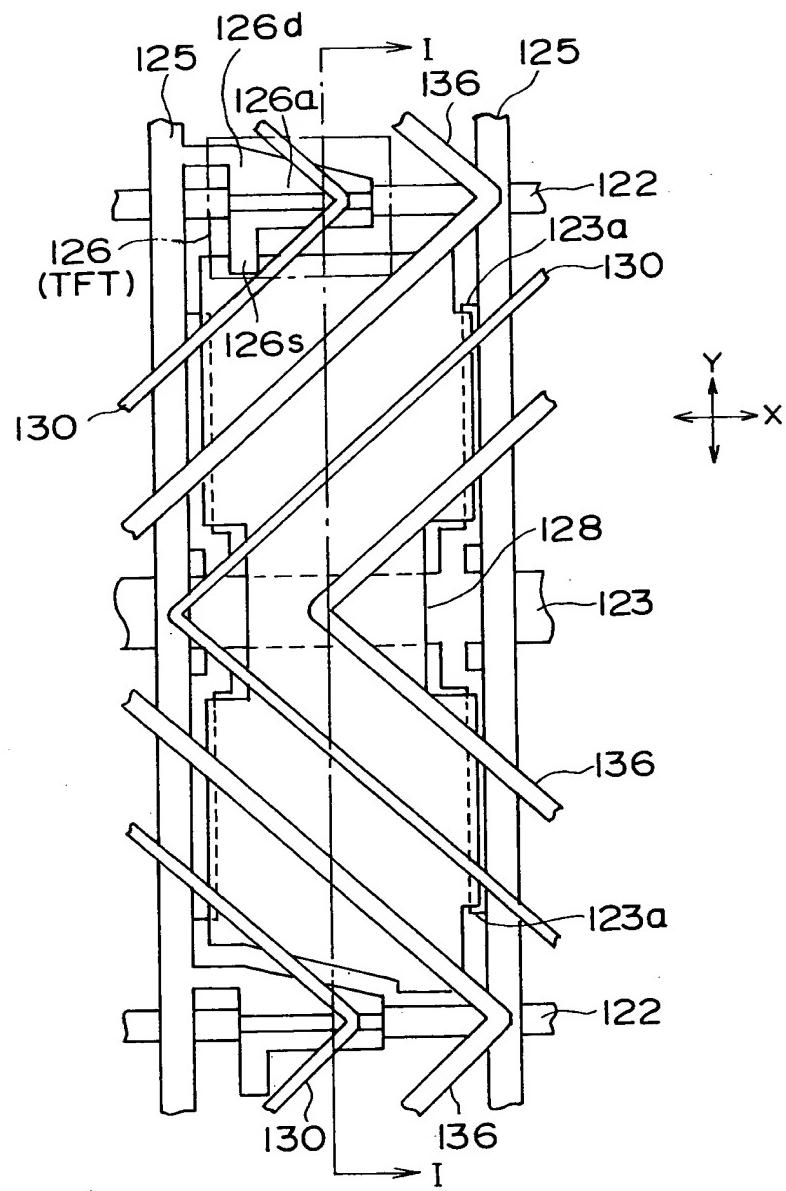


FIG. 6 (Prior Art)

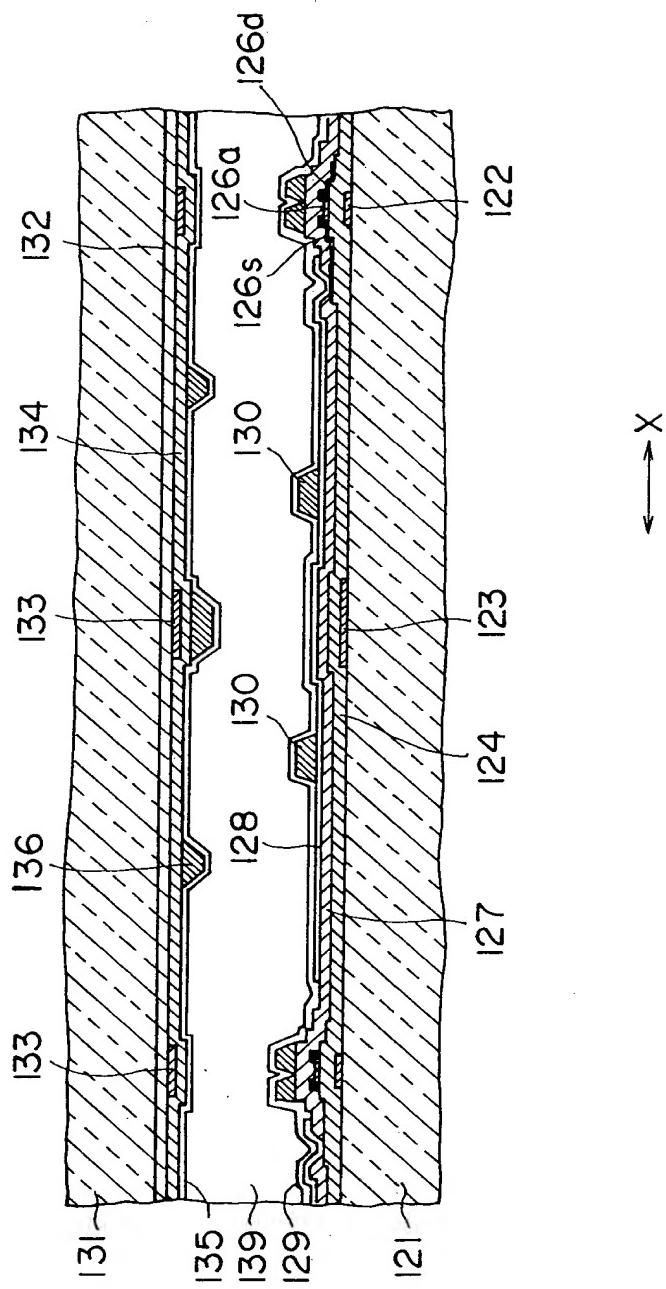


FIG. 7 (Prior Art)

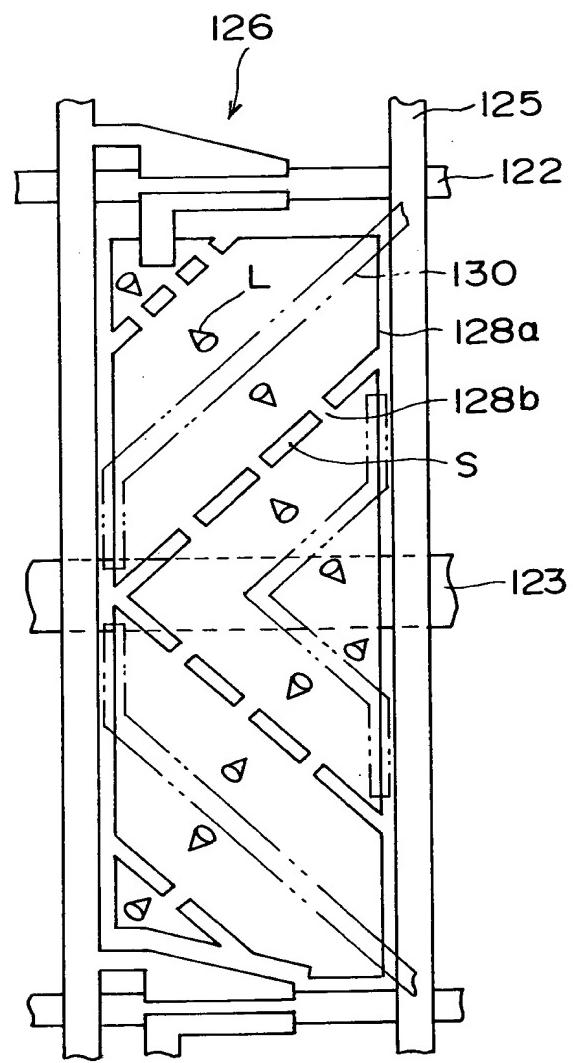


FIG. 8 (Prior Art)

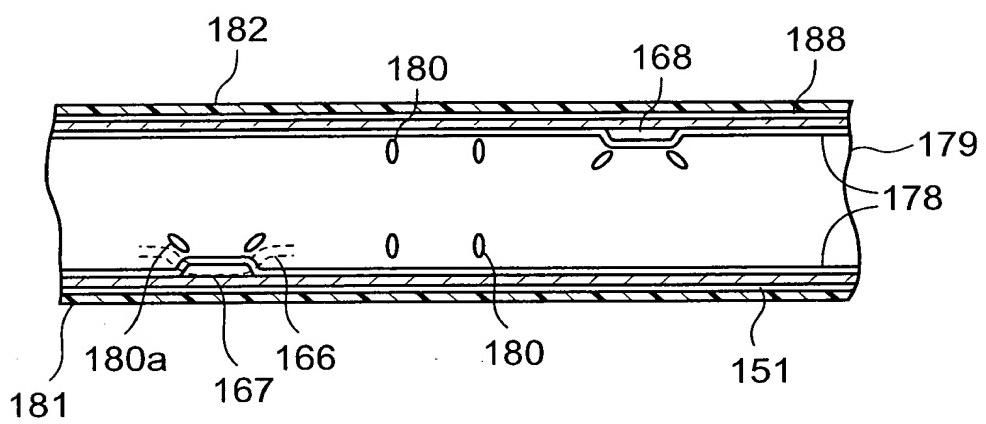


FIG. 9A (Prior Art)

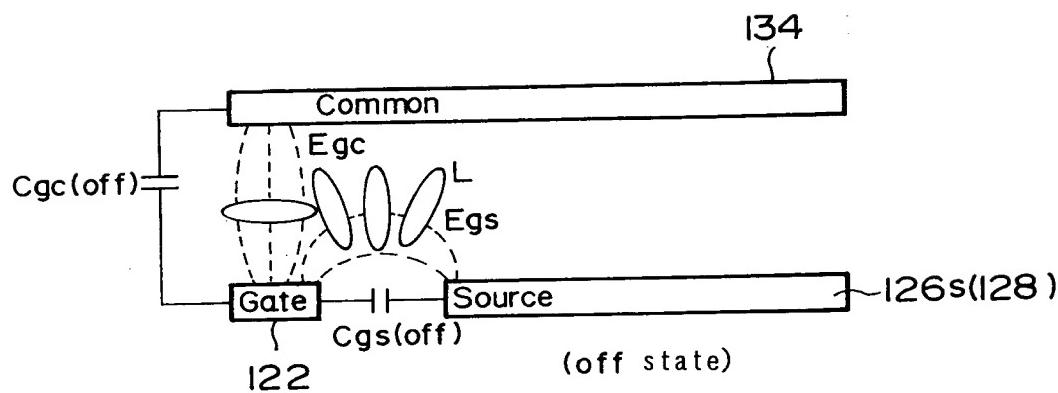
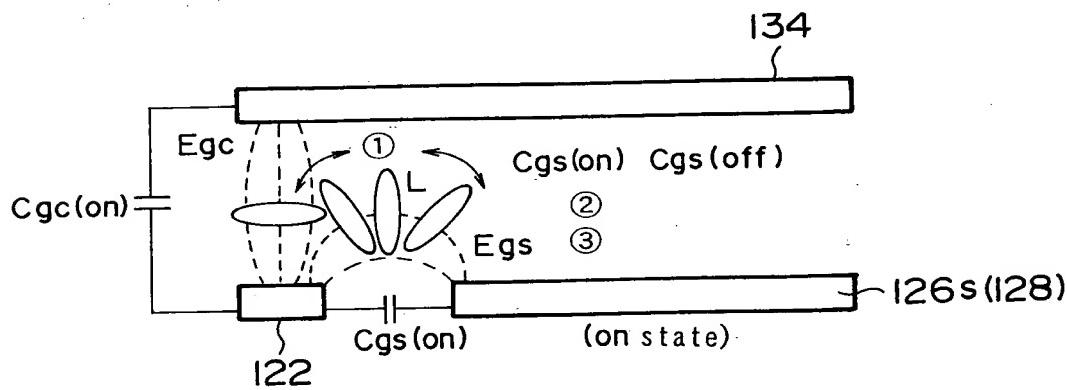


FIG. 9B (Prior Art)

- ① A tilt angle of a liquid crystal molecule is changed in response to a voltage.



- ② A capacitance is changed by the tone.

- ③ A capacitance is also changed by light irradiation.

FIG. 10A (Prior Art)

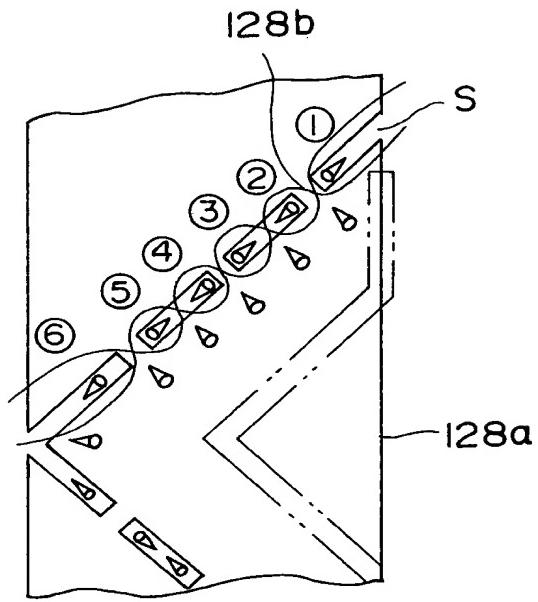
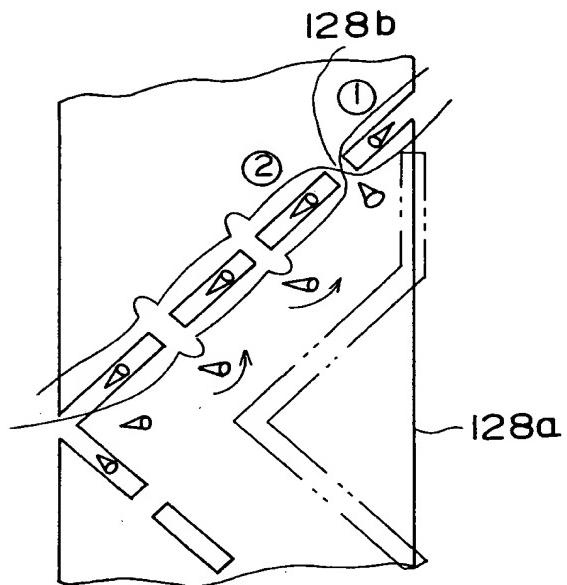
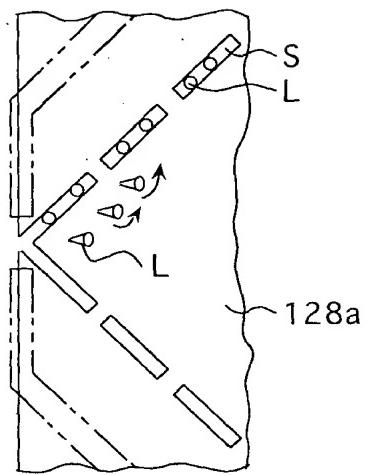


FIG. 10B (Prior Art)

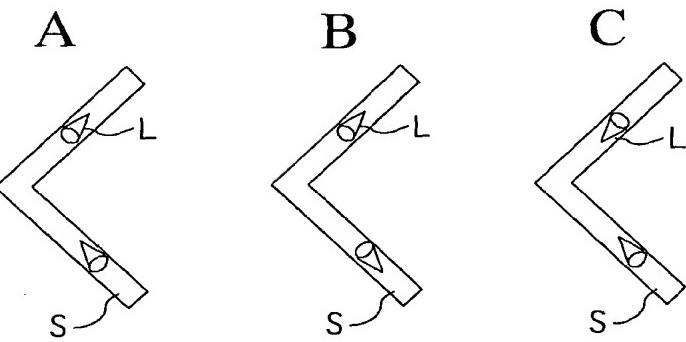


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**FIG. 11**  
**(Prior Art)**



**FIG. 12**  
**(Prior Art)**



**FIG. 13**  
**(Prior Art)**

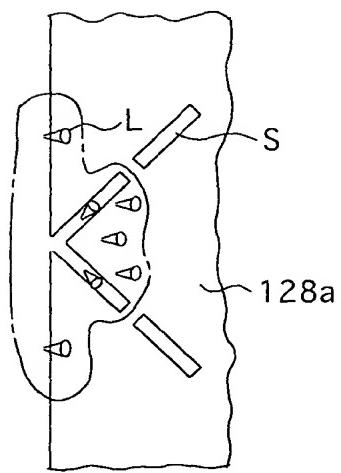


FIG. 14A (Prior Art)

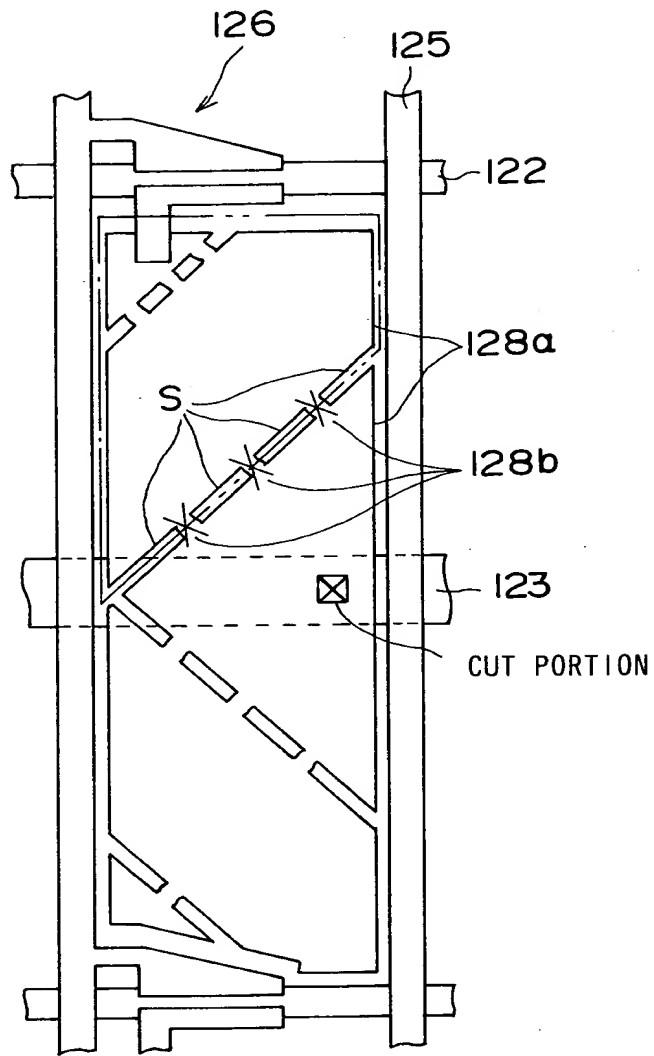


FIG. 14B

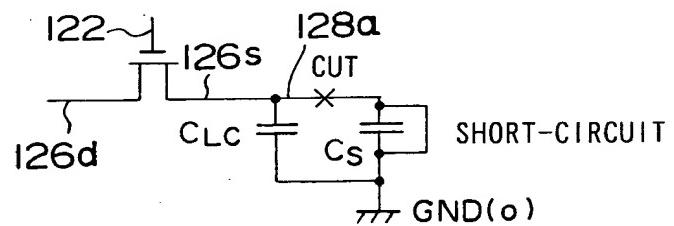


FIG. 15

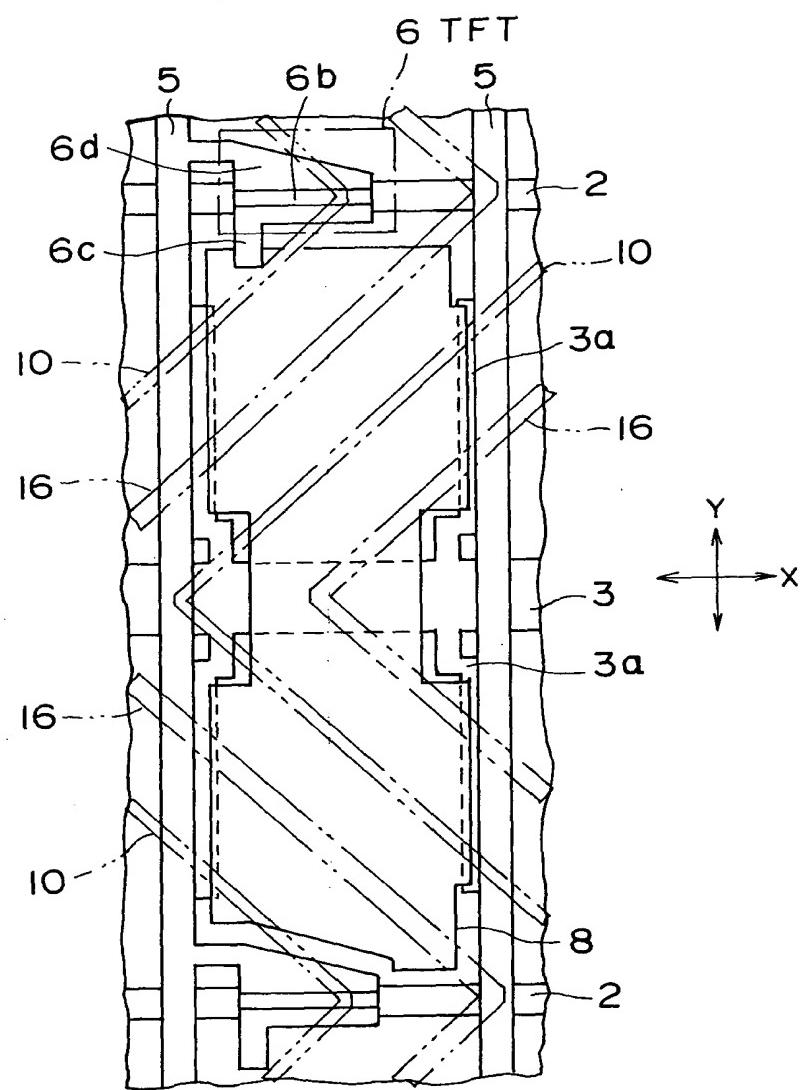


FIG. 16

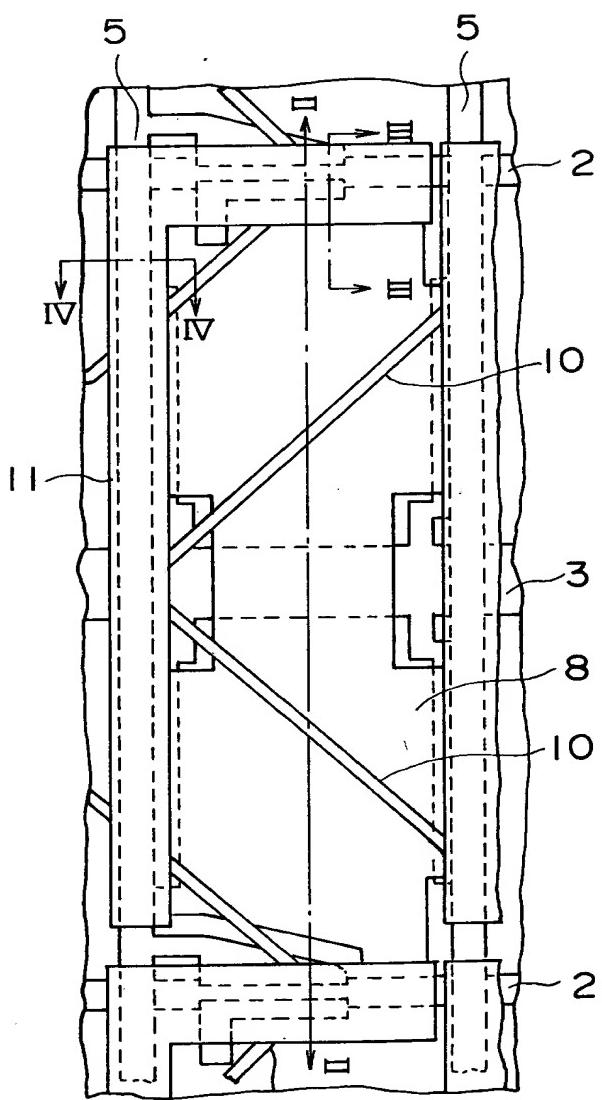


FIG. 17

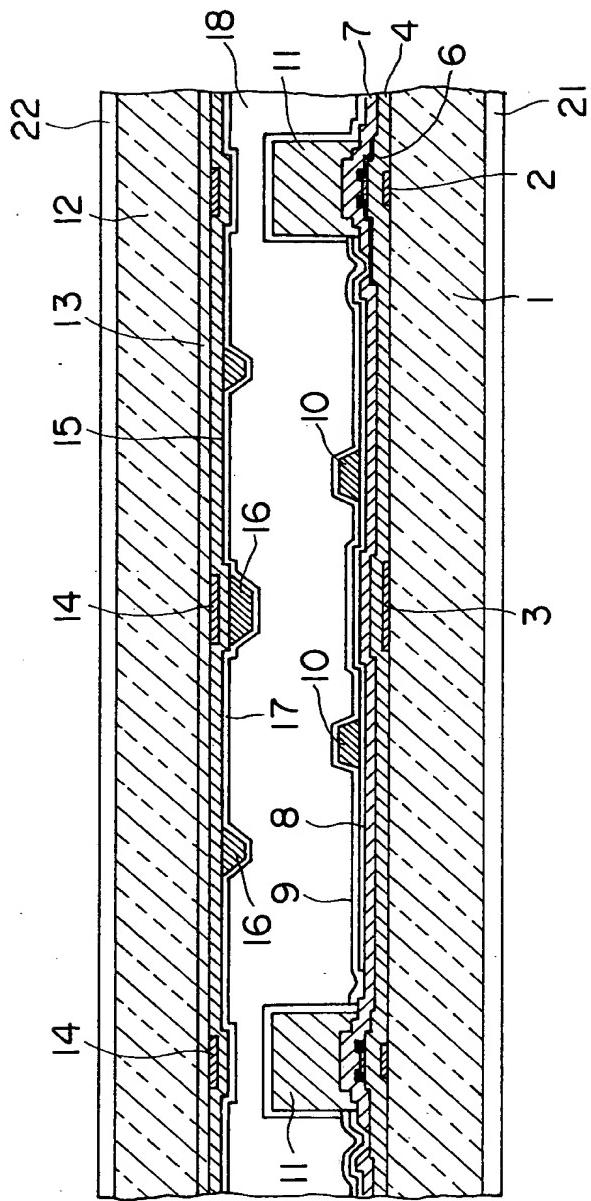
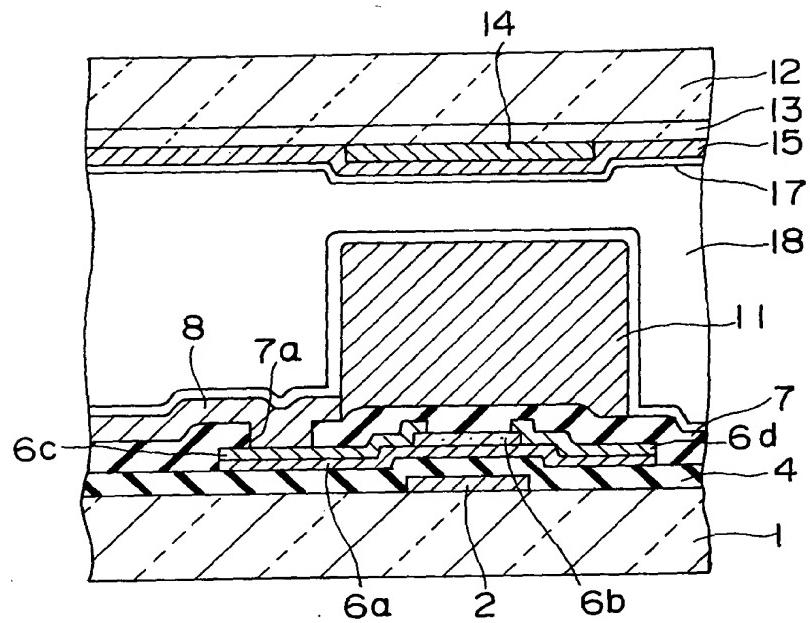


FIG. 18



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FIG. 19

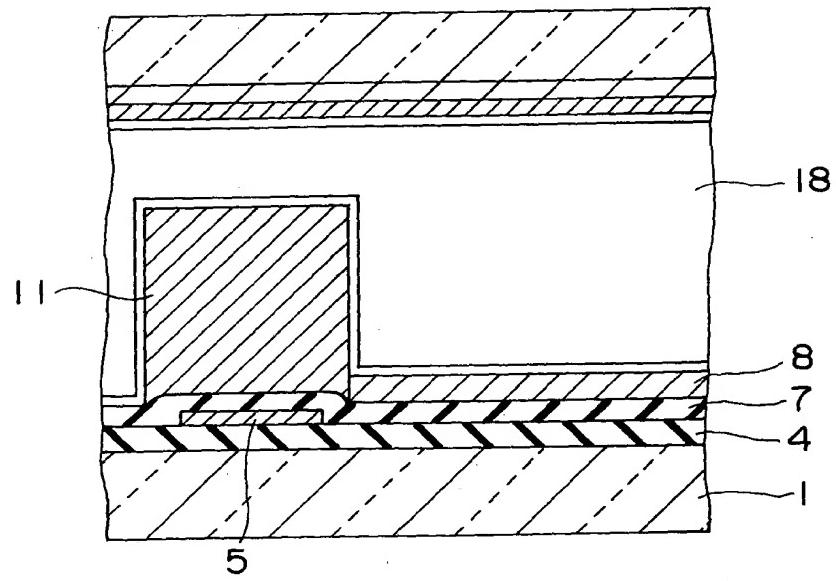


FIG. 20A

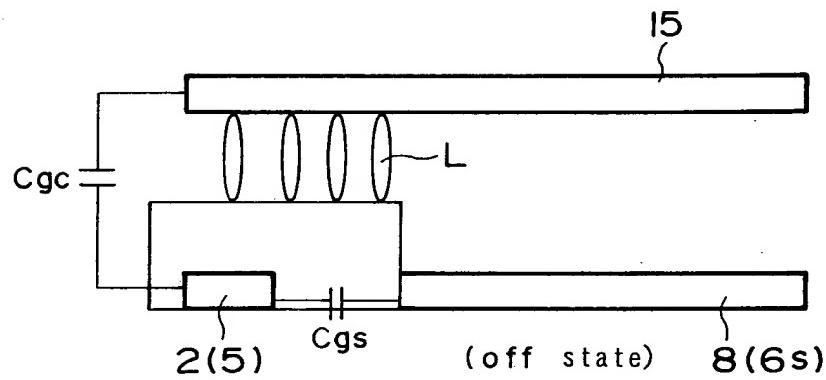


FIG. 20B

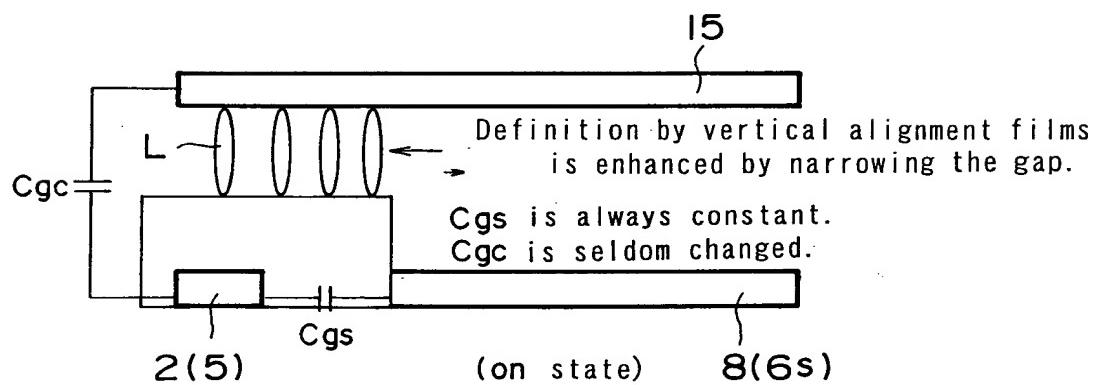
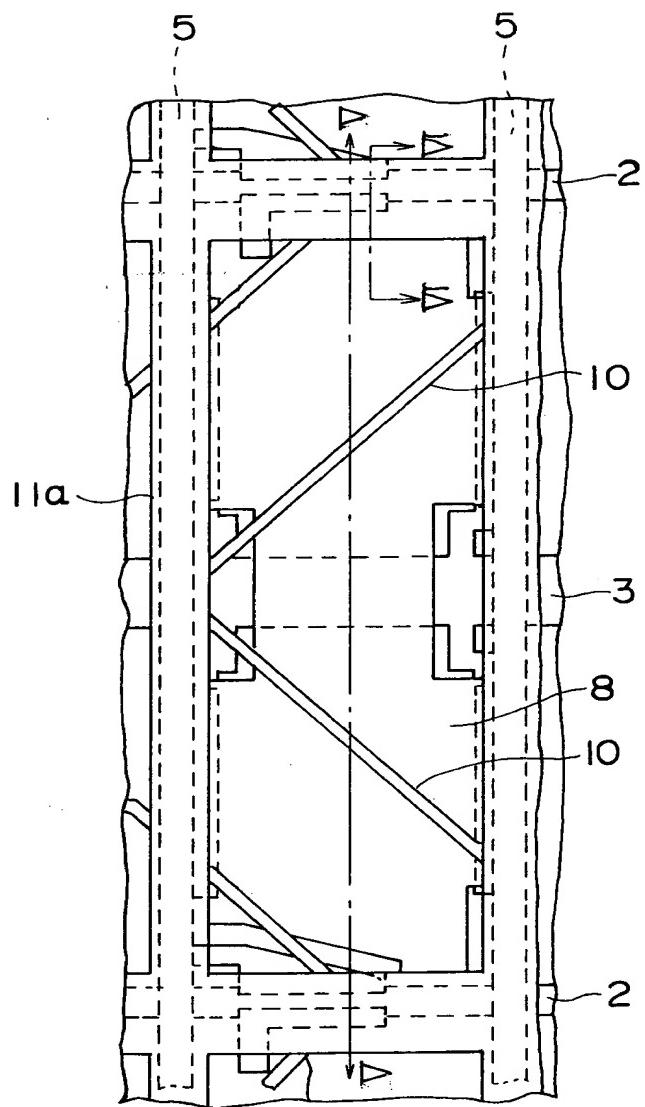


FIG. 21



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FIG. 22

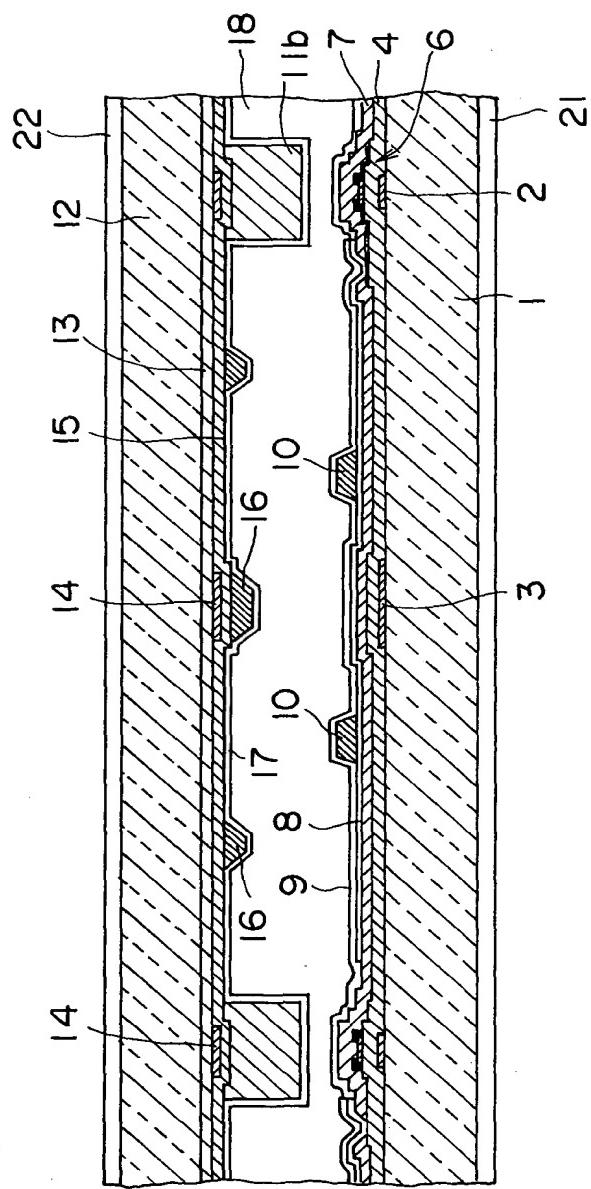


FIG. 23

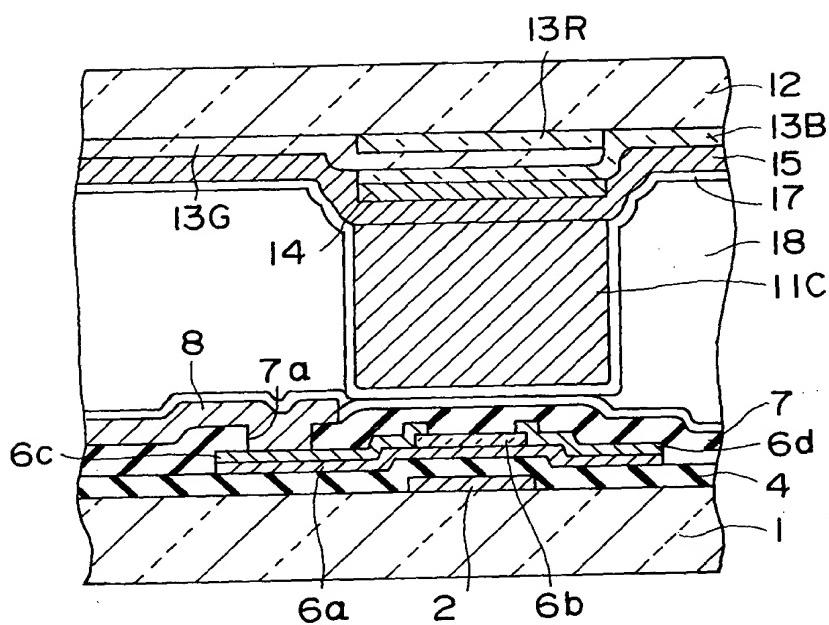


FIG. 24

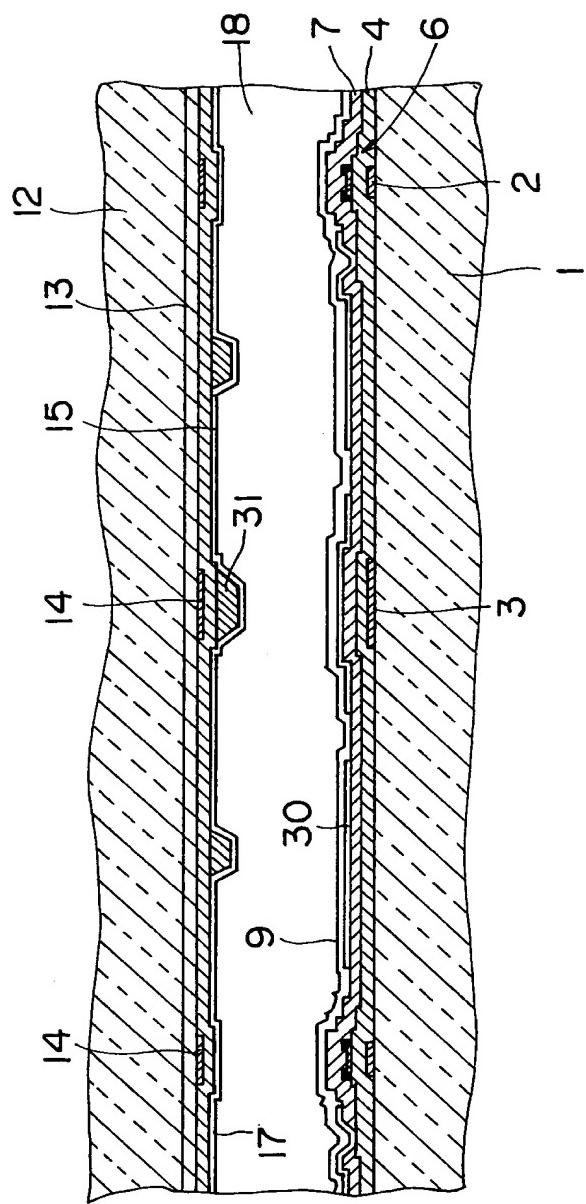


FIG. 25

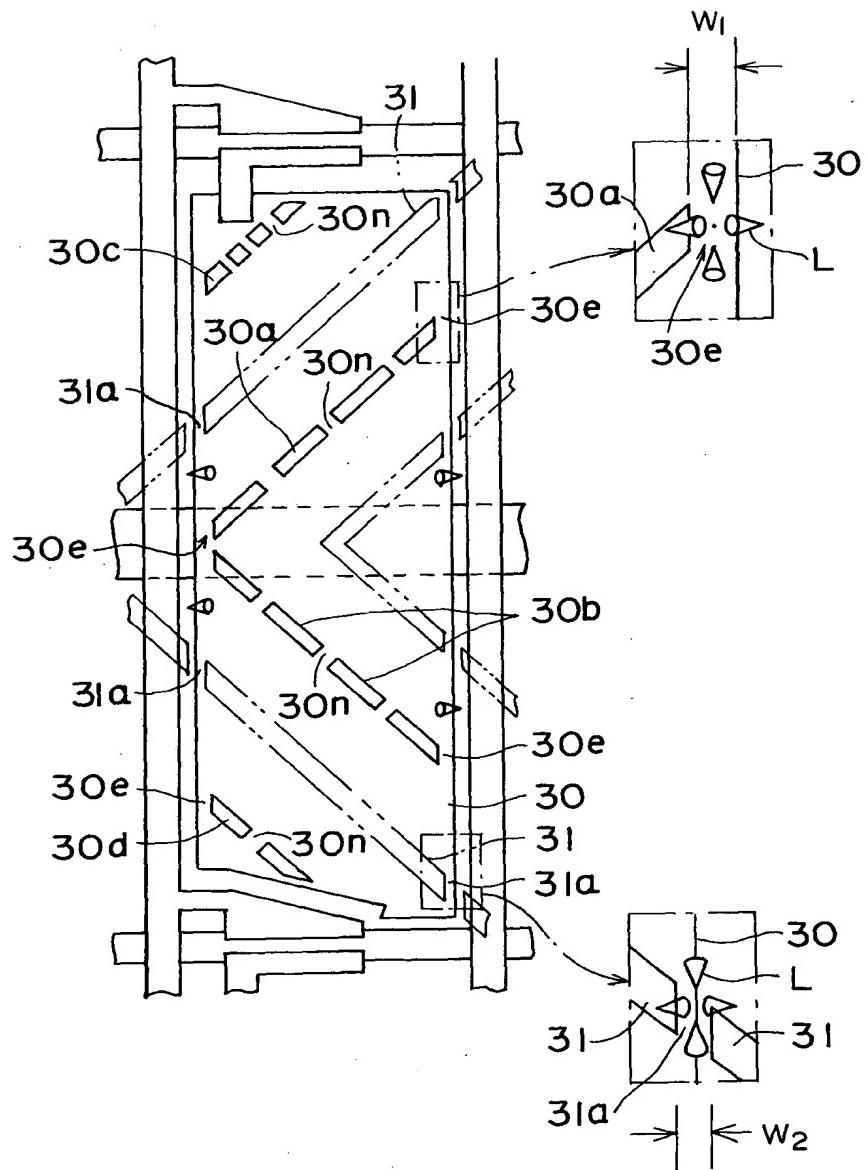


FIG. 26A

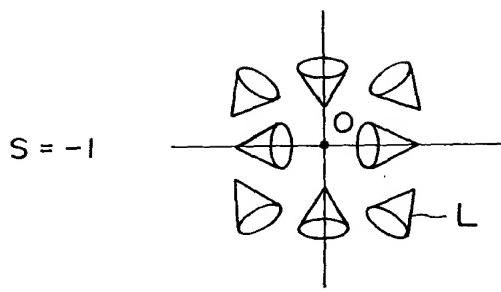


FIG. 26B

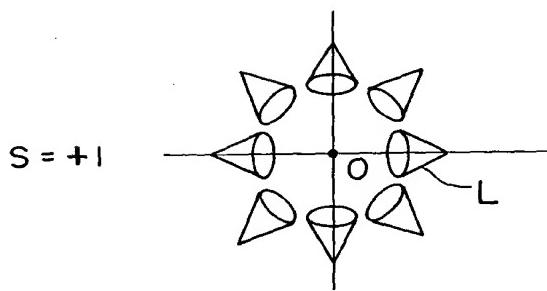


FIG. 27

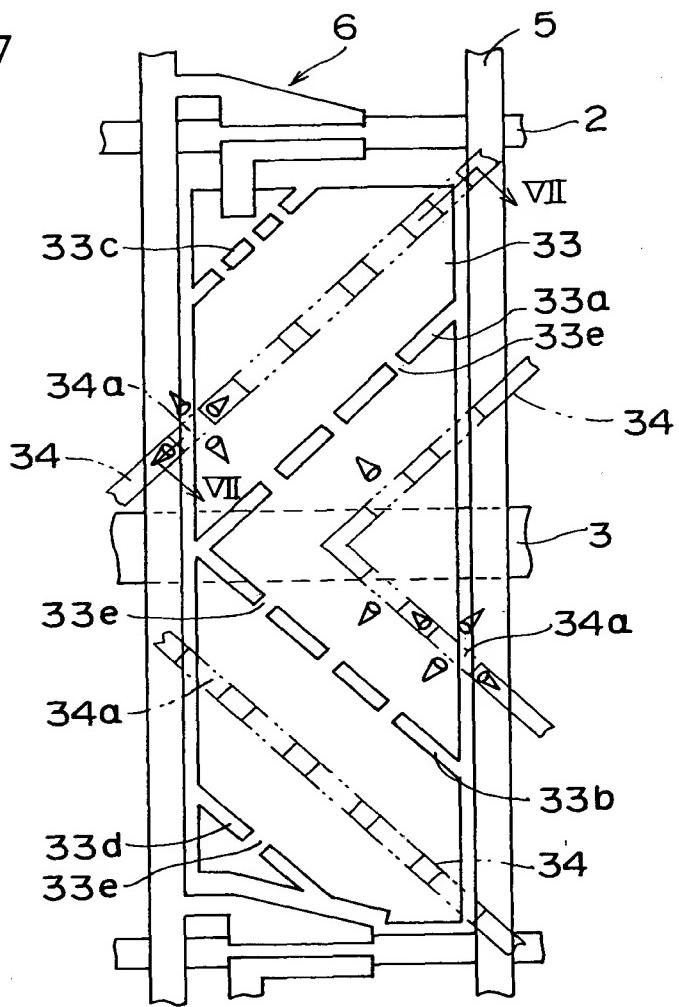
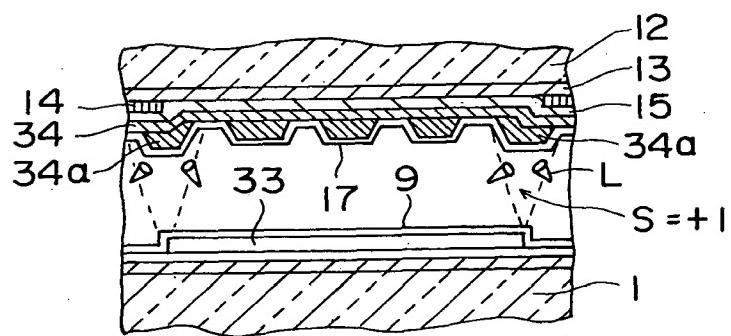


FIG. 28



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FIG. 29

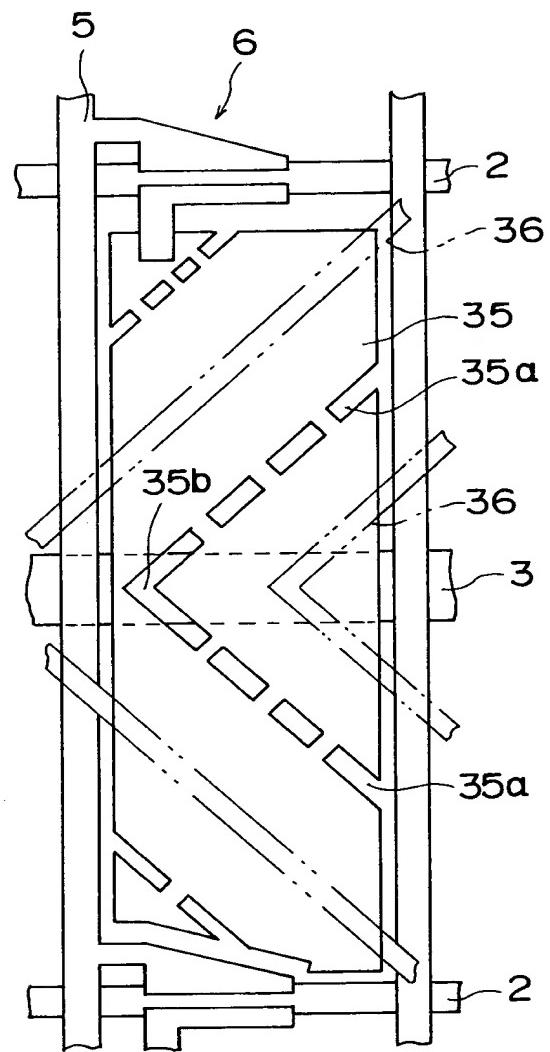


FIG. 30

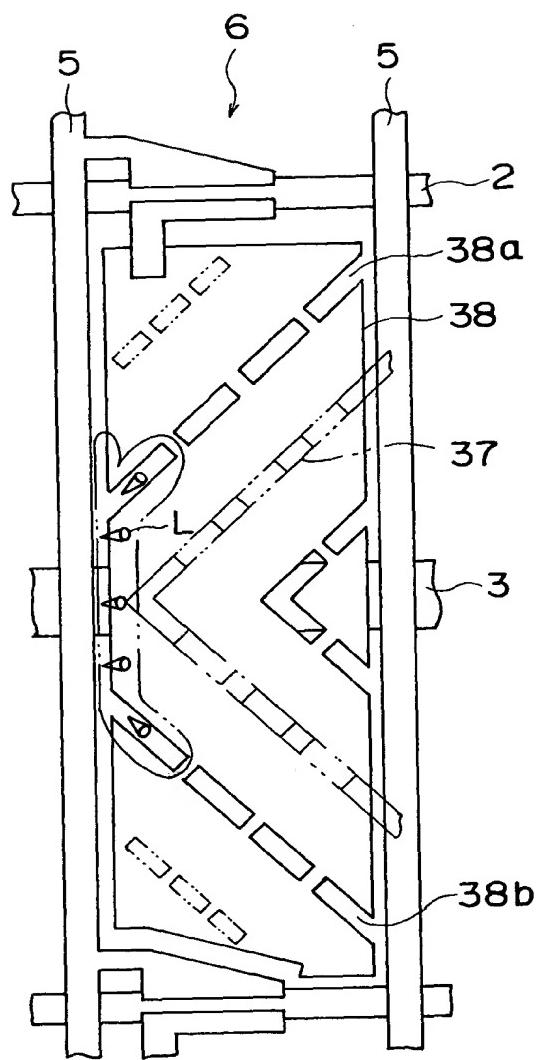


FIG. 31A

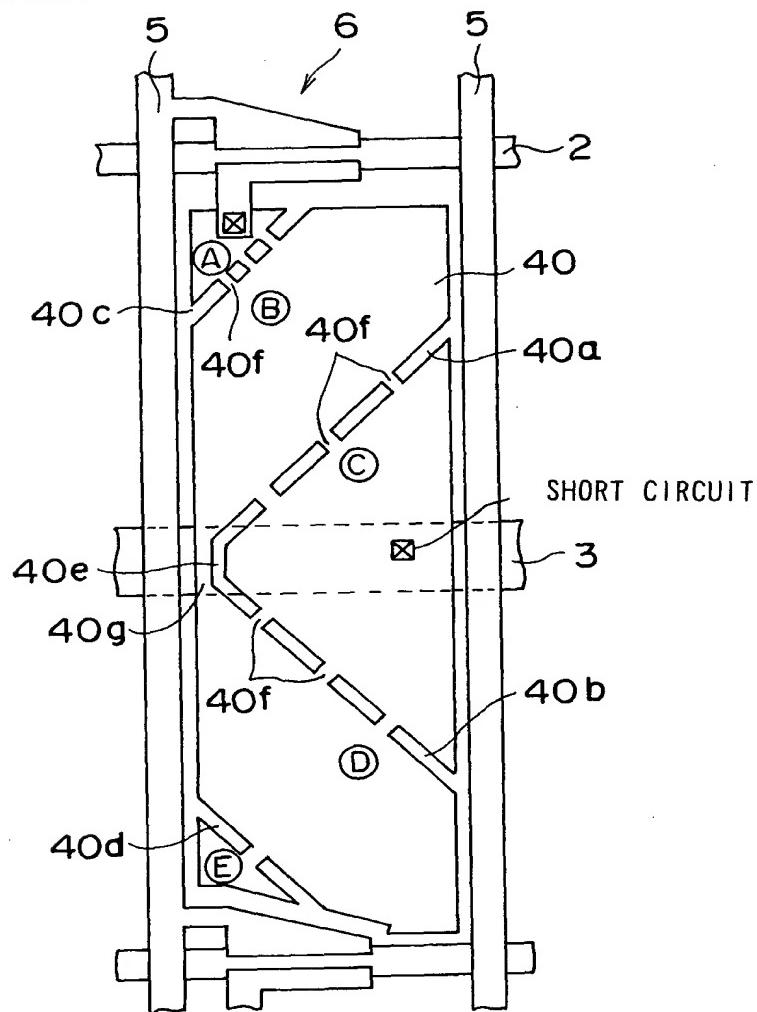


FIG. 31B 40f

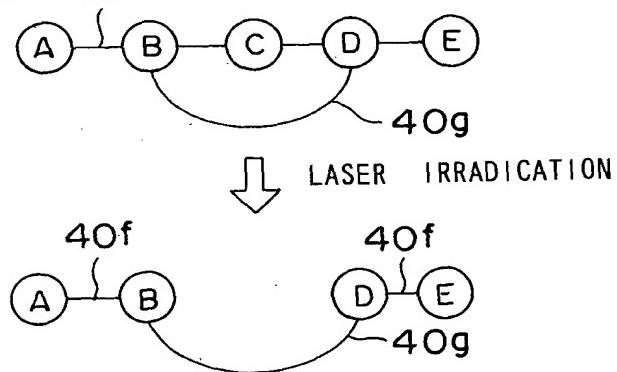


FIG. 32A

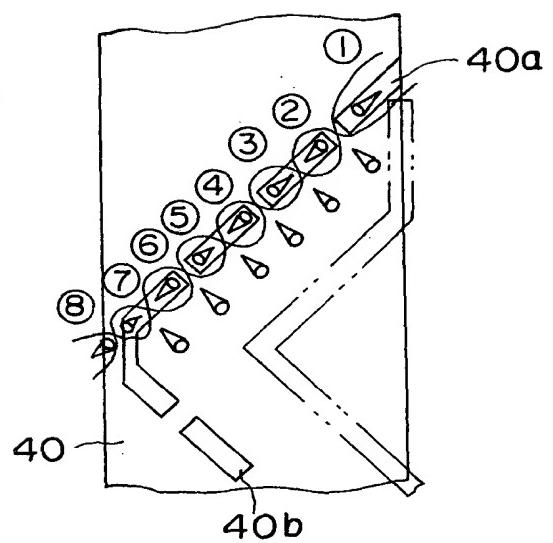


FIG. 32B

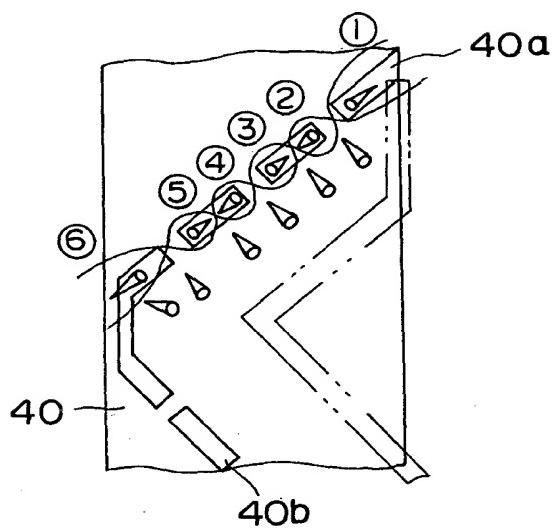


FIG. 33

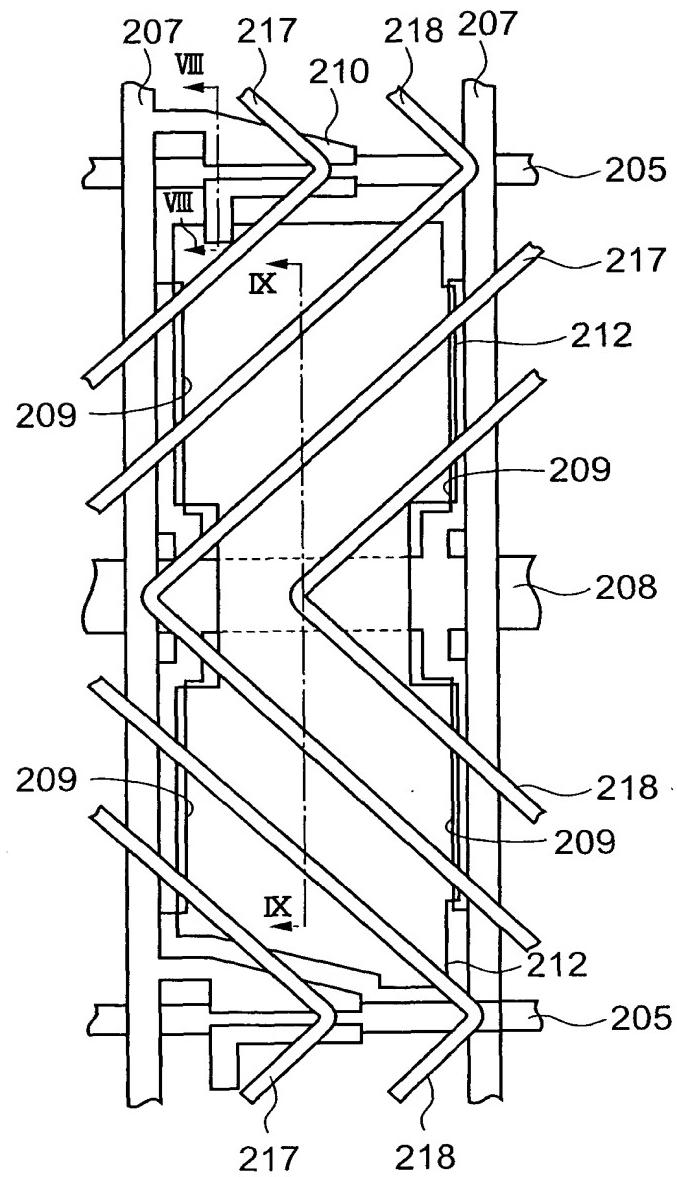


FIG. 34

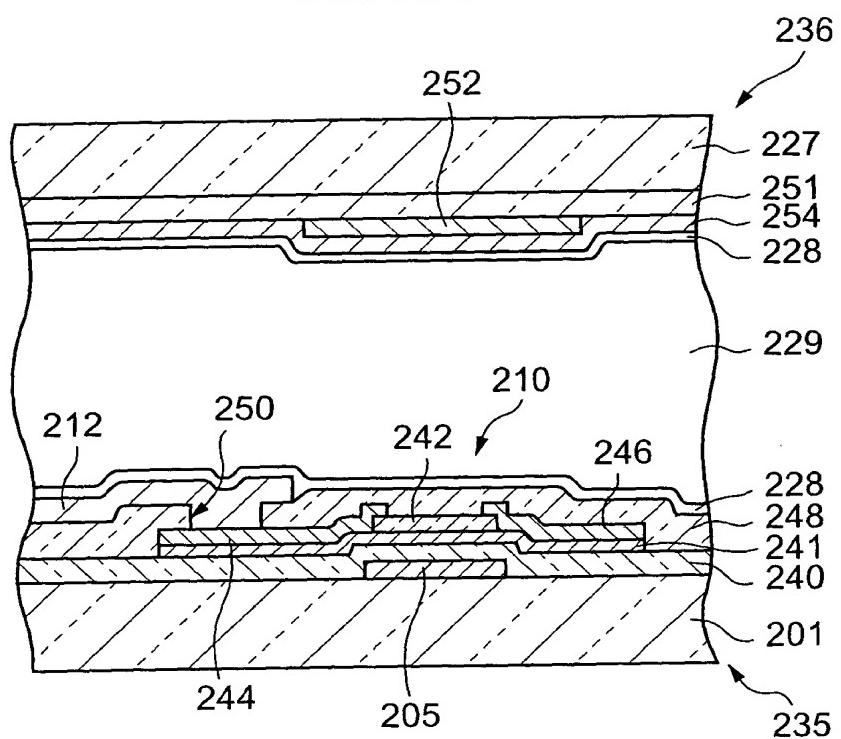


FIG. 35

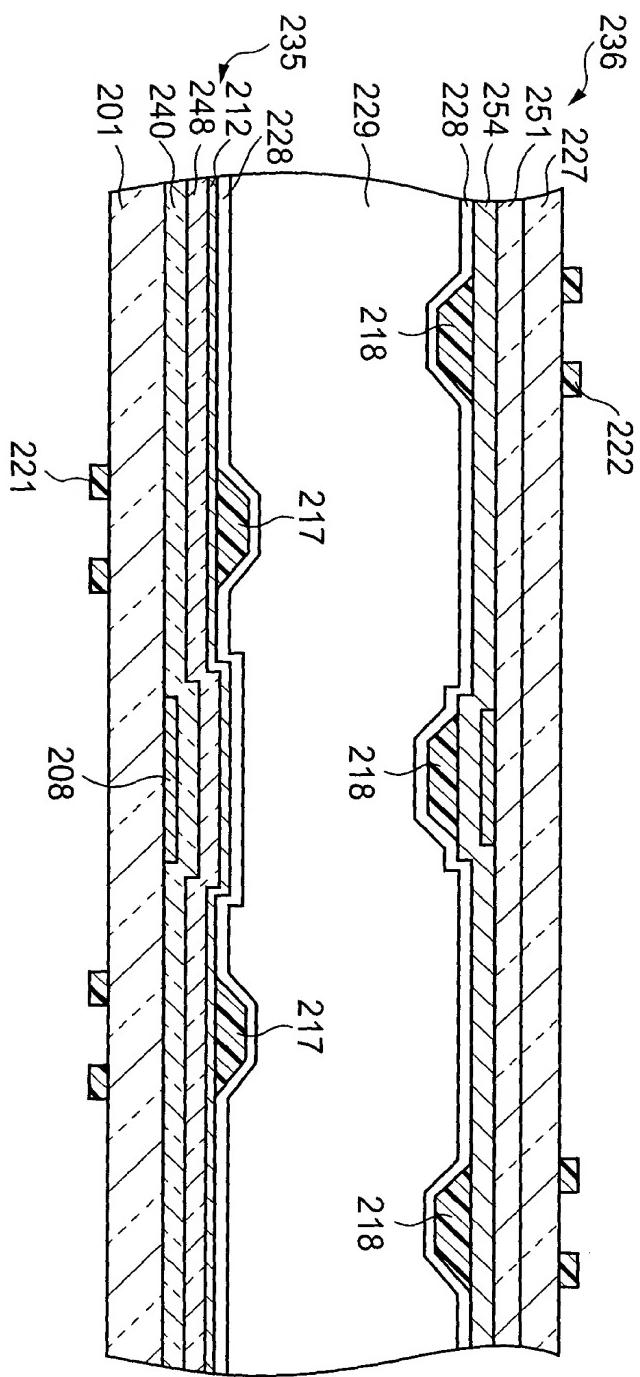
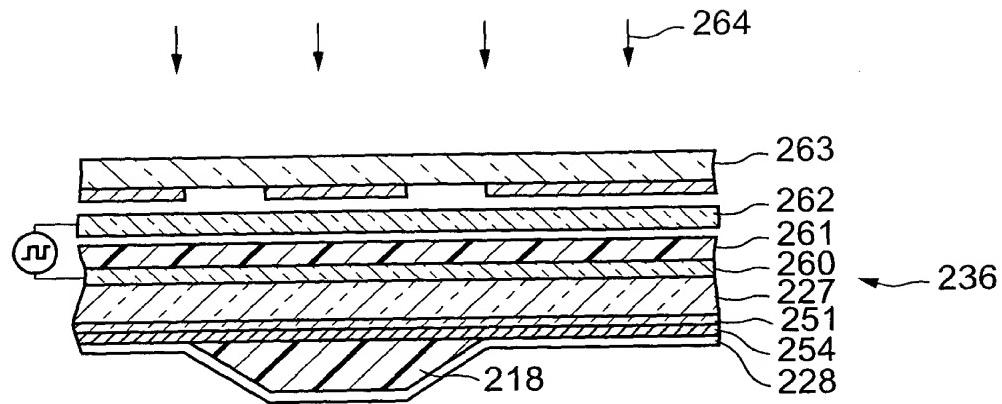


FIG. 36



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FIG. 37

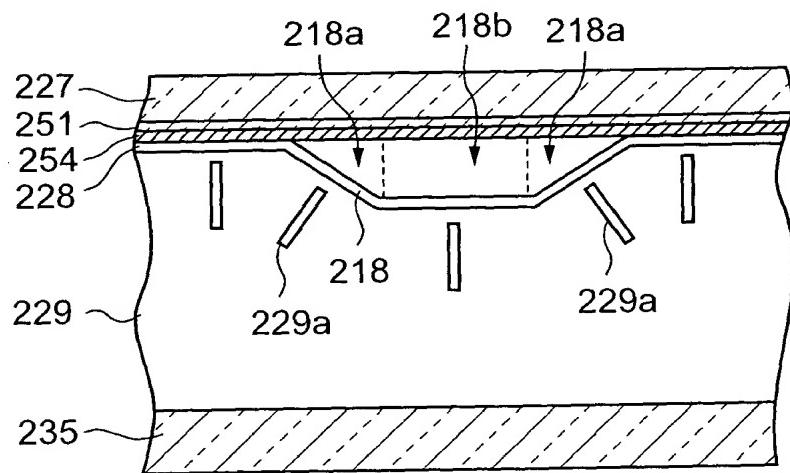
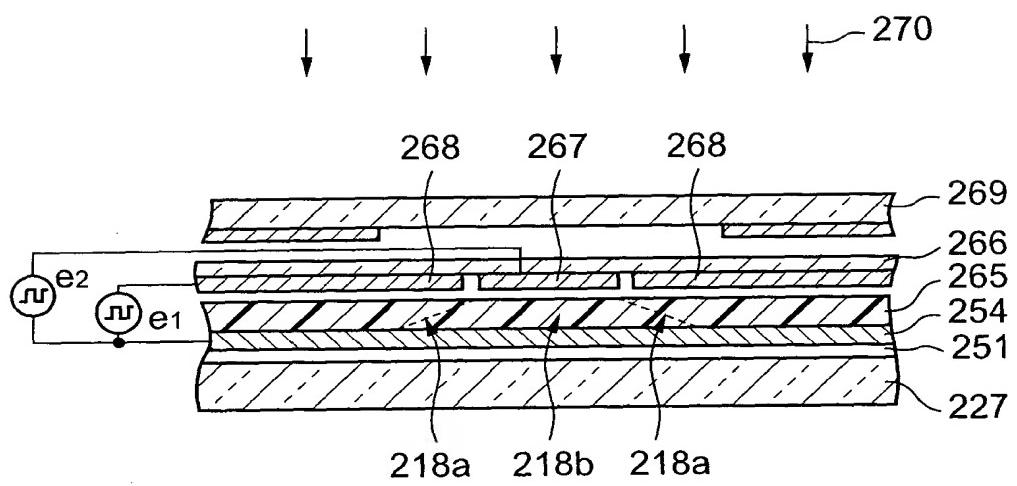
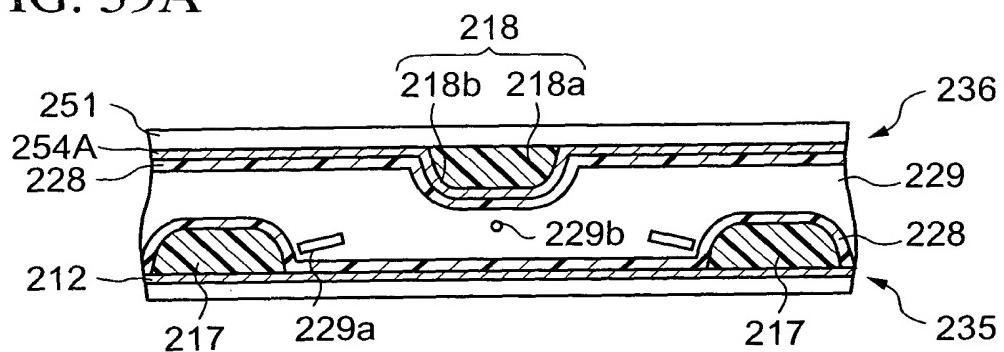


FIG. 38



**FIG. 39A**



**FIG. 39B**

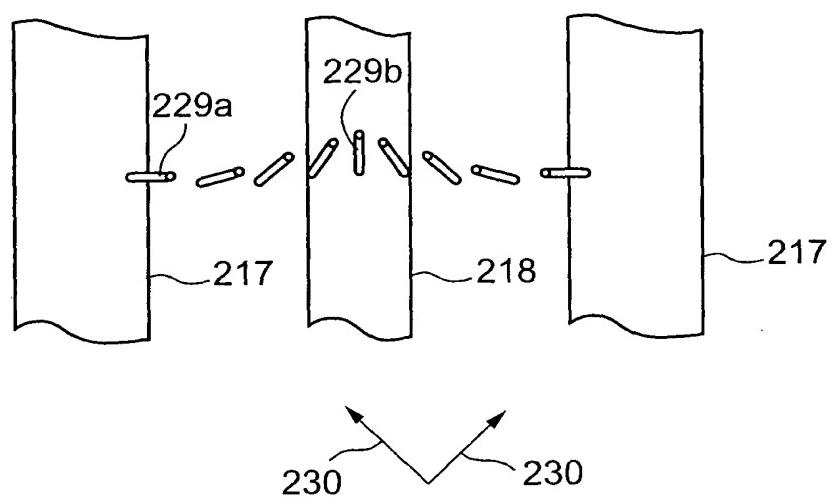


FIG. 40

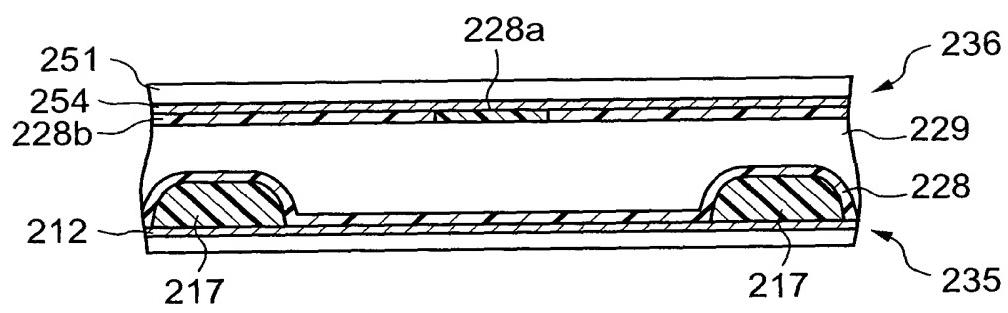


FIG. 41A

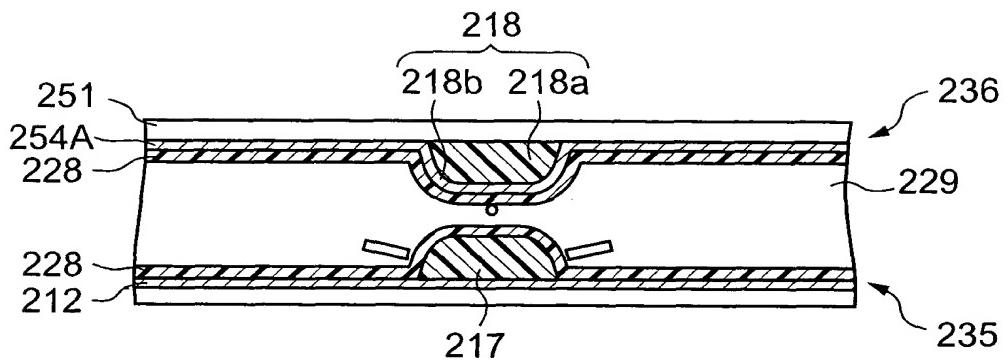


FIG. 41B

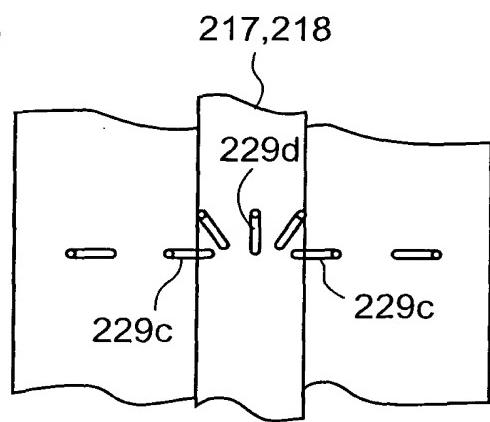
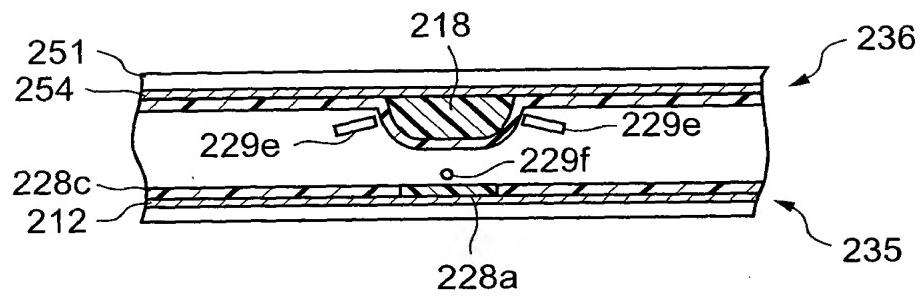
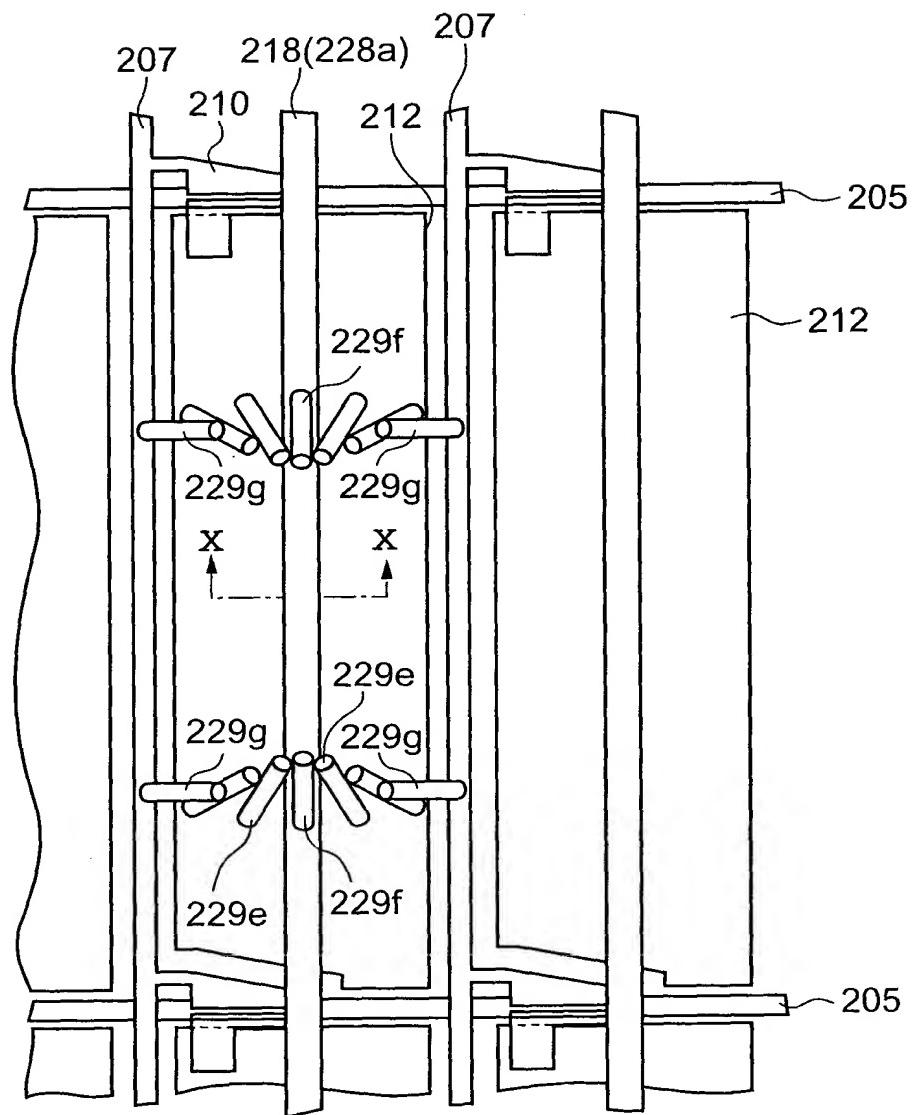


FIG. 42



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FIG. 43



09662236 - 097400

FIG. 44

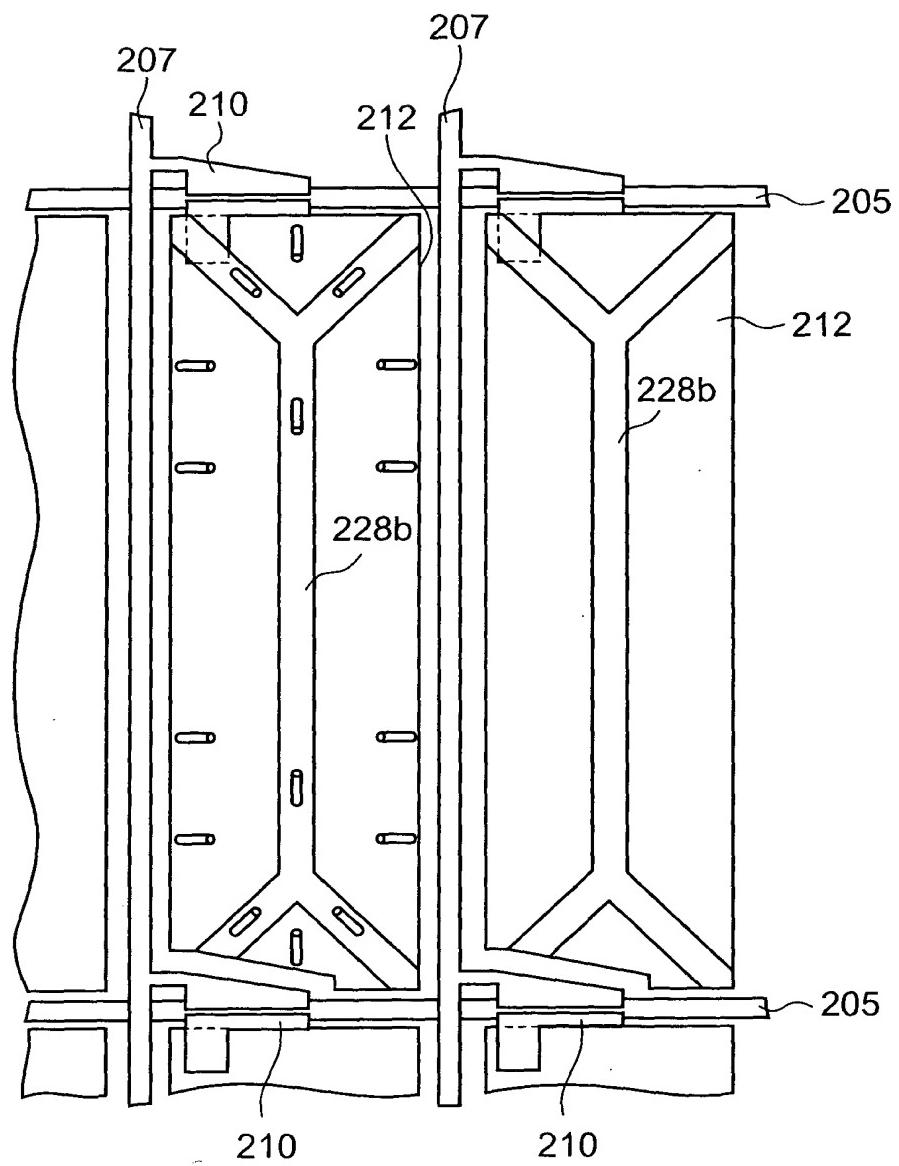


FIG. 45A

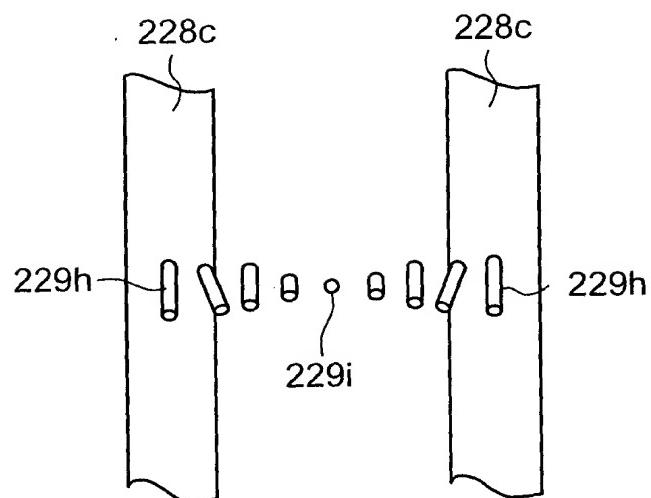


FIG. 45B

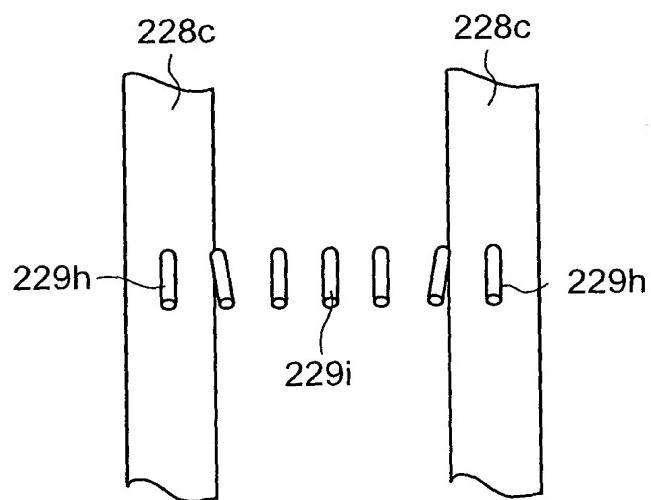


FIG. 46

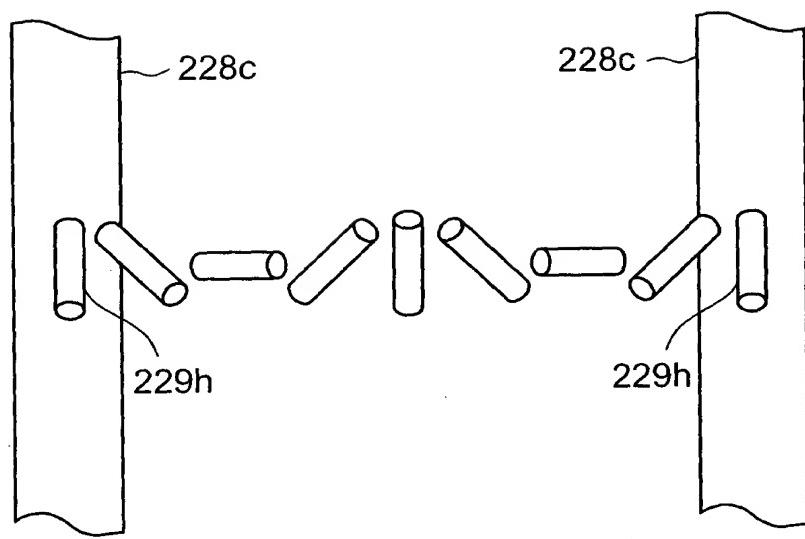
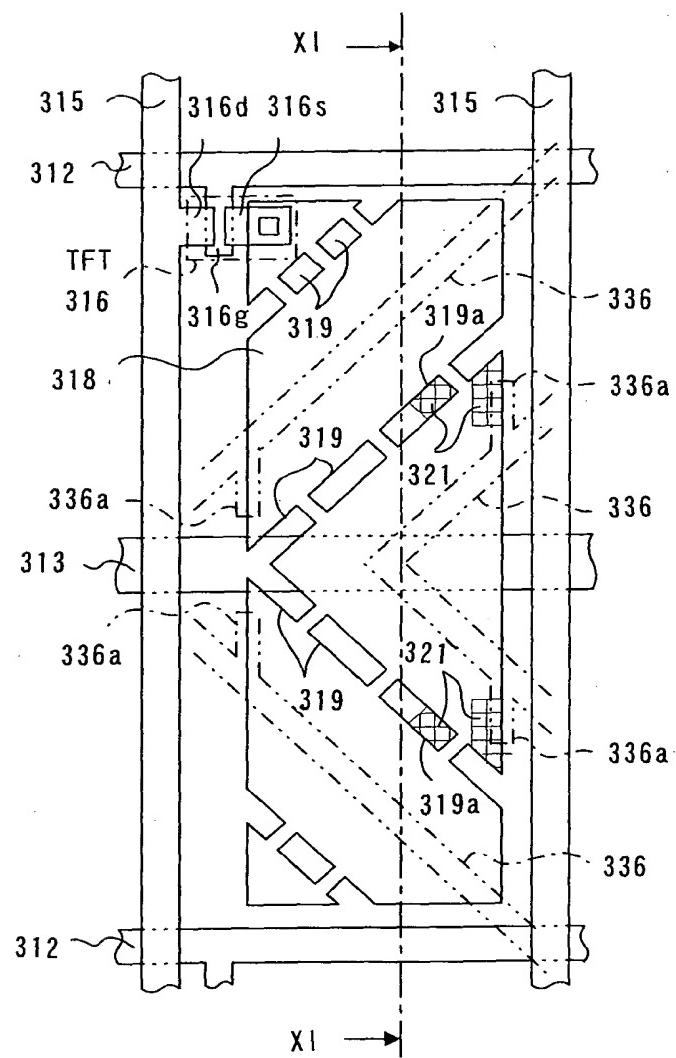


FIG. 47



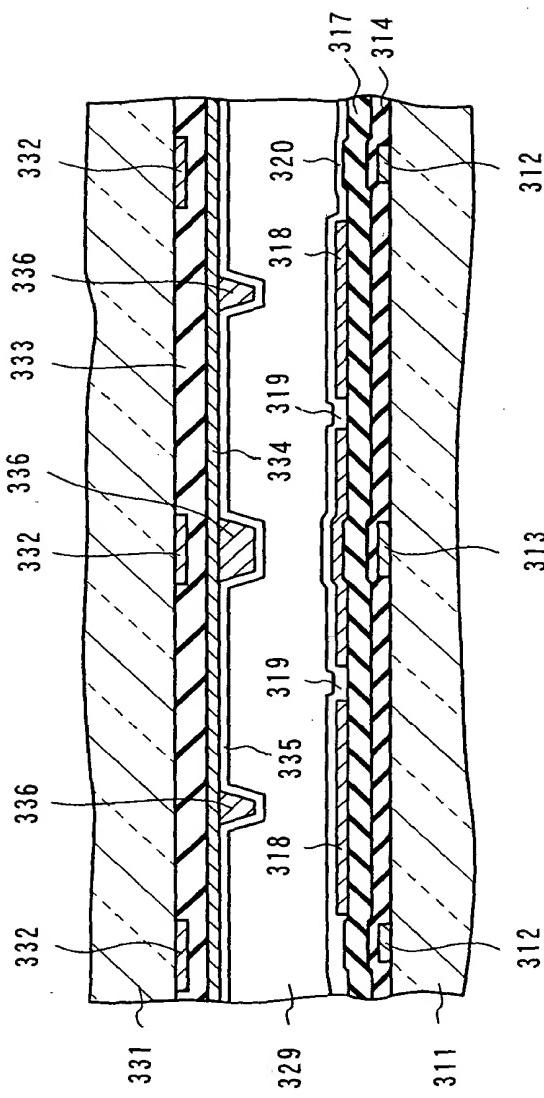


FIG. 48

FIG. 49

ALIGNMENT OF LIQUID CRYSTAL MOLECULES  
(NO POSITIONAL DISPLACEMENT)

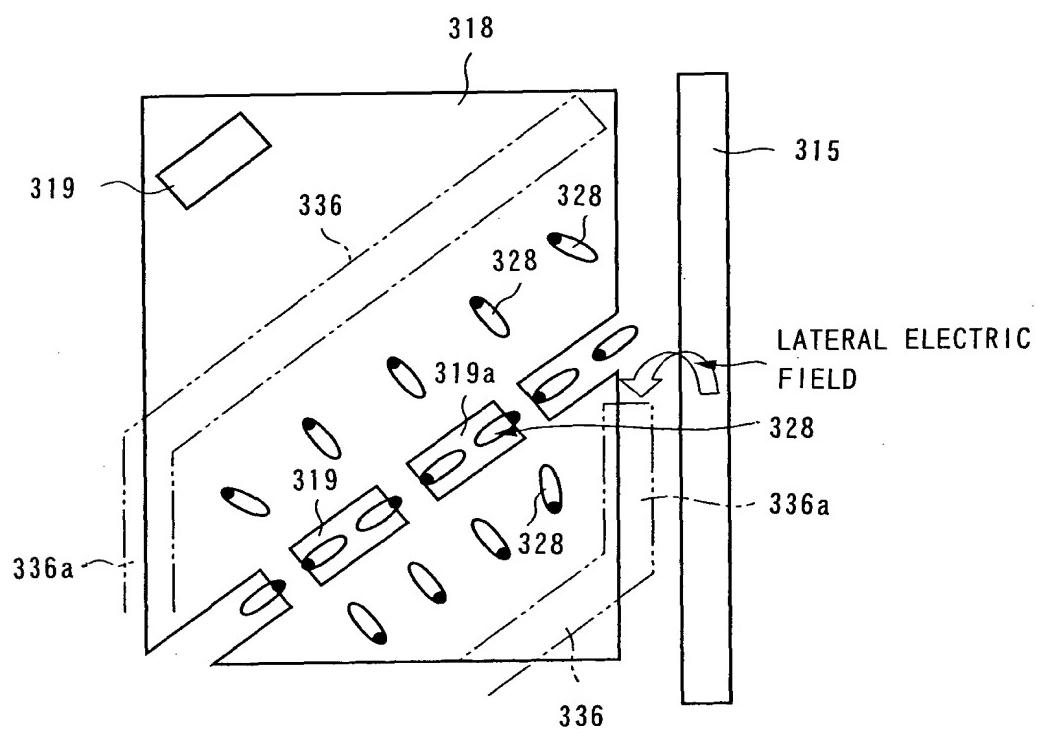


FIG. 50

## ALIGNMENT OF LIQUID CRYSTAL MOLECULES (POSITIONAL DISPLACEMENT)

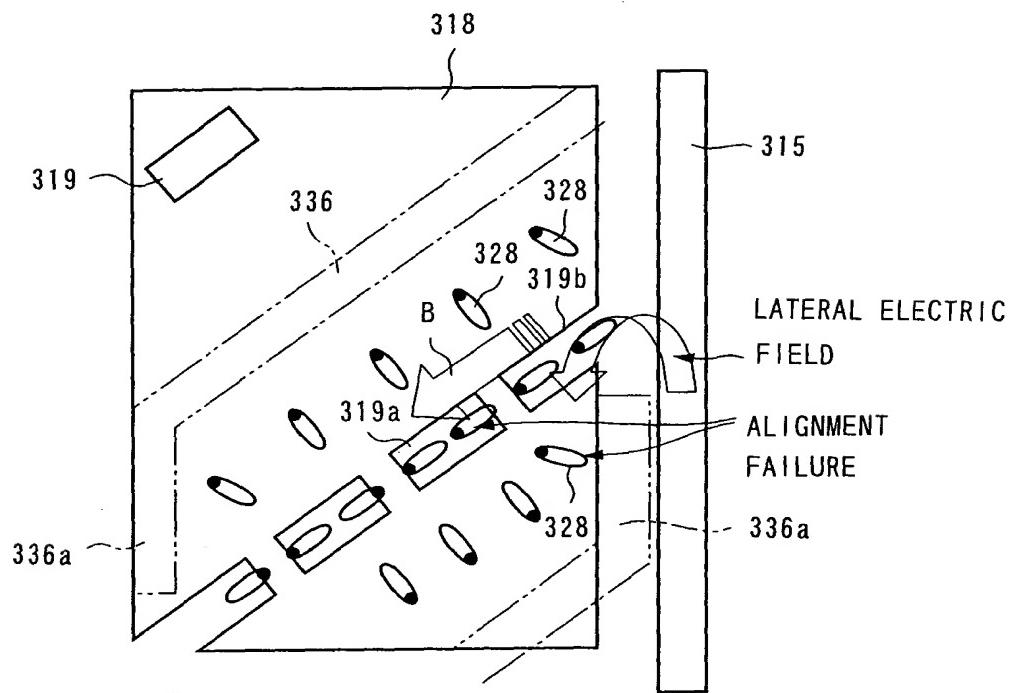


FIG. 51

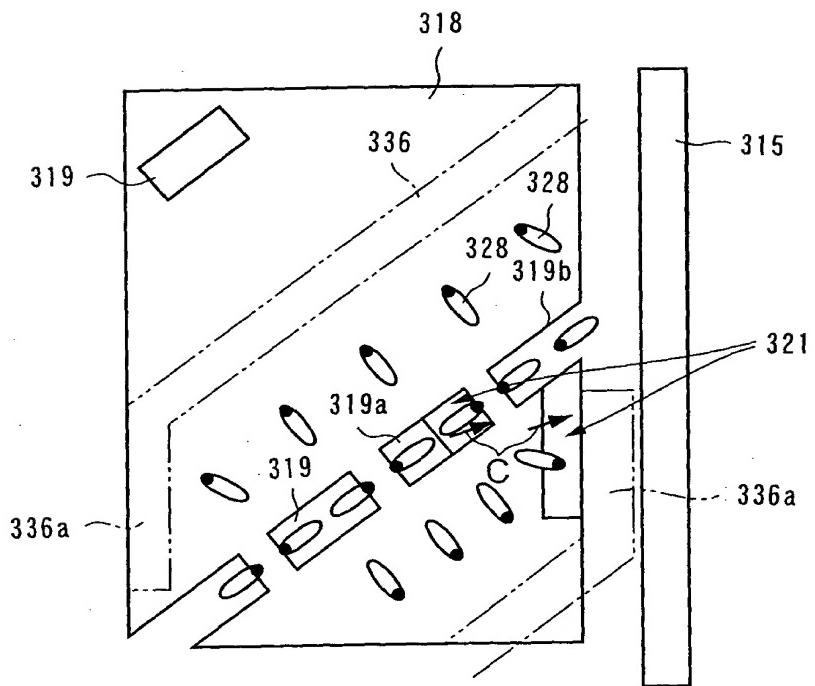


FIG. 52

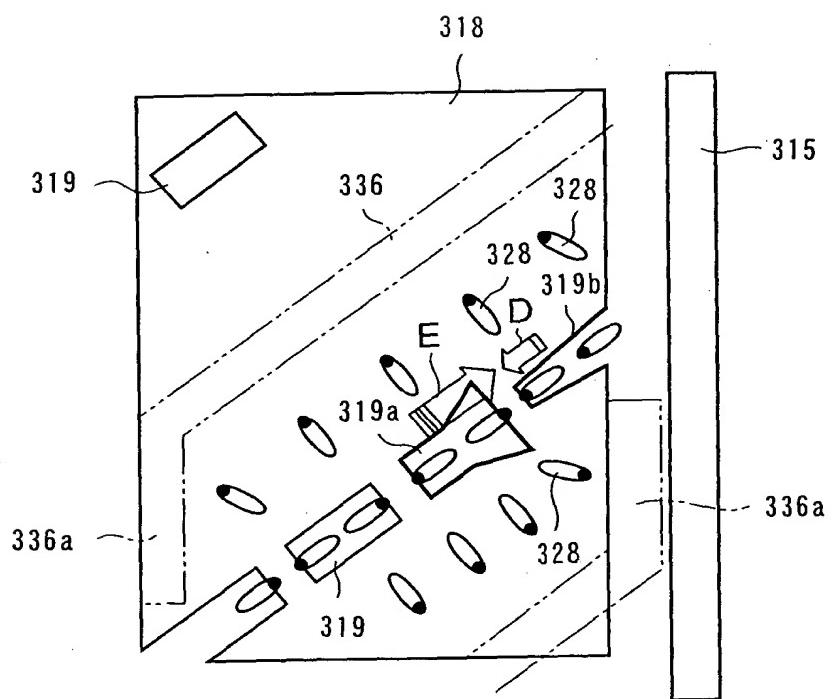


FIG. 53

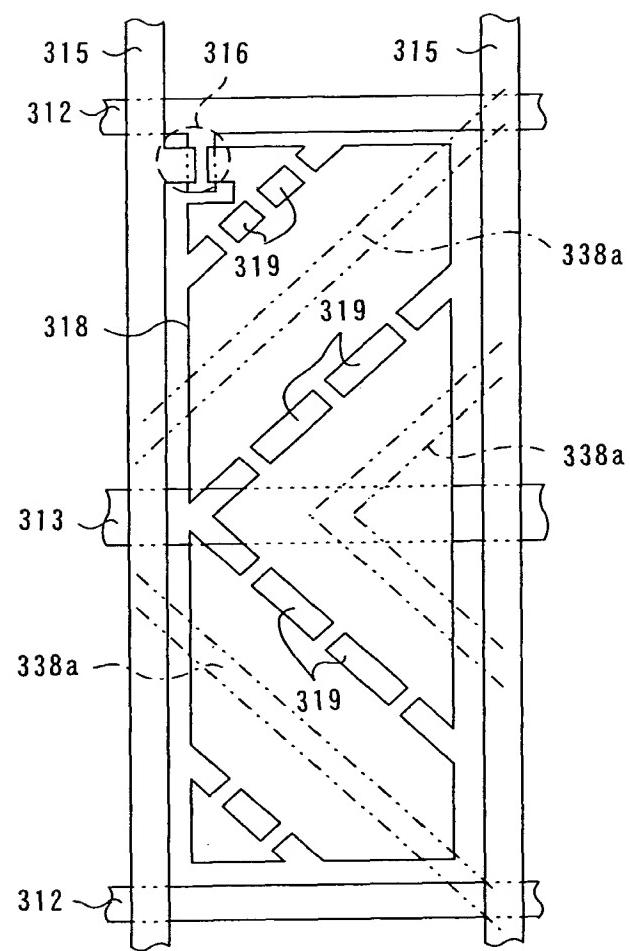
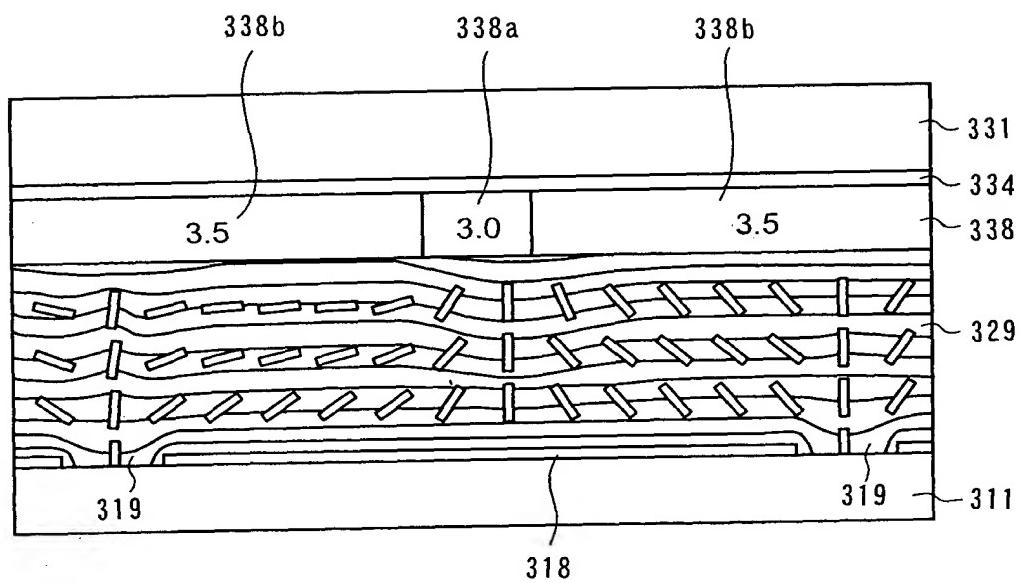
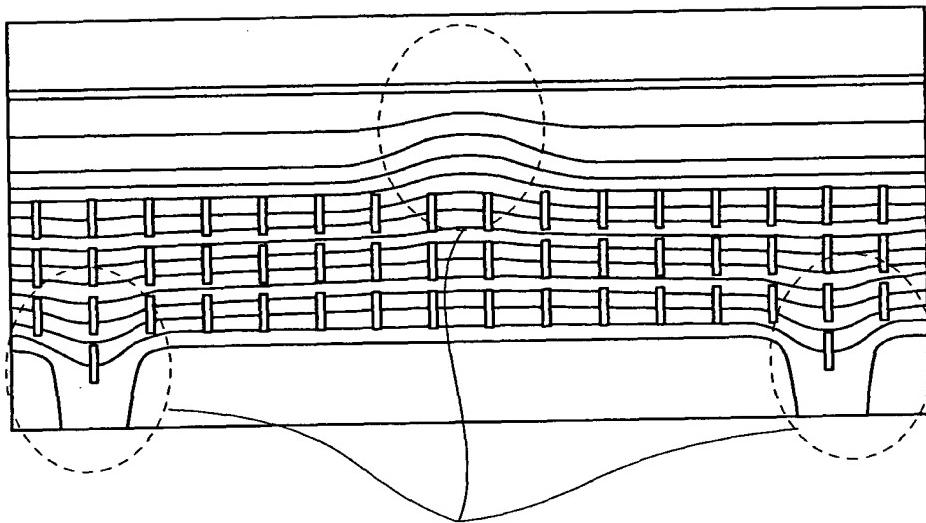


FIG. 54



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FIG. 55



The equipotential lines are pushed out outwardly from the liquid crystal layers.

FIG. 56

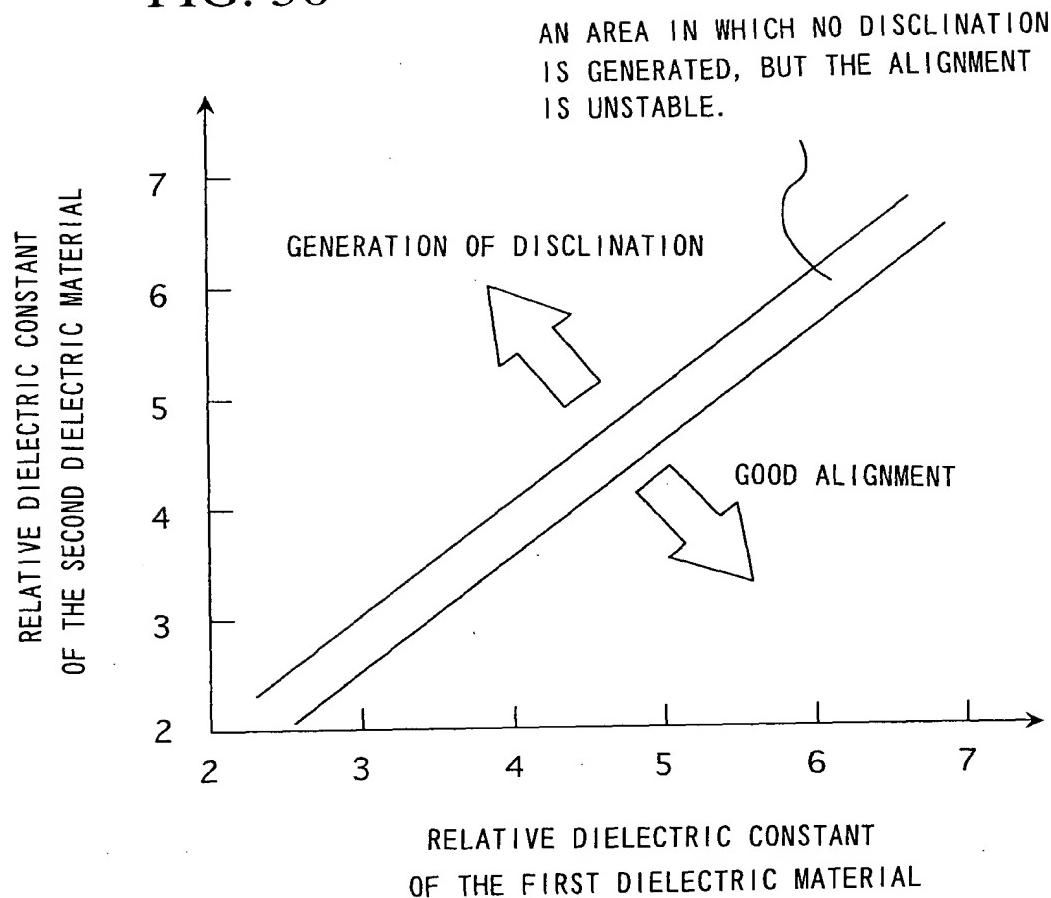
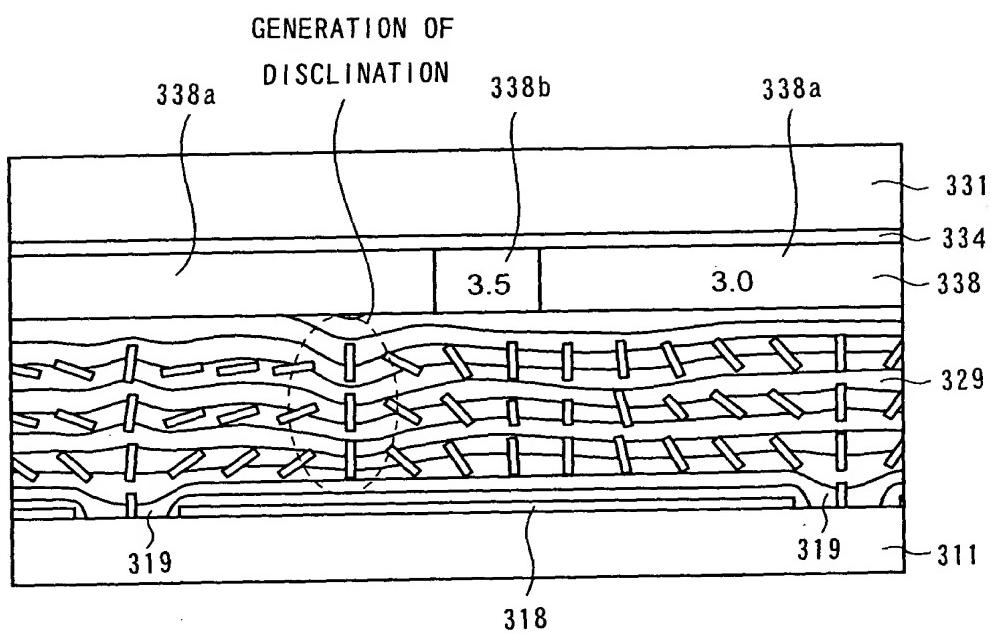
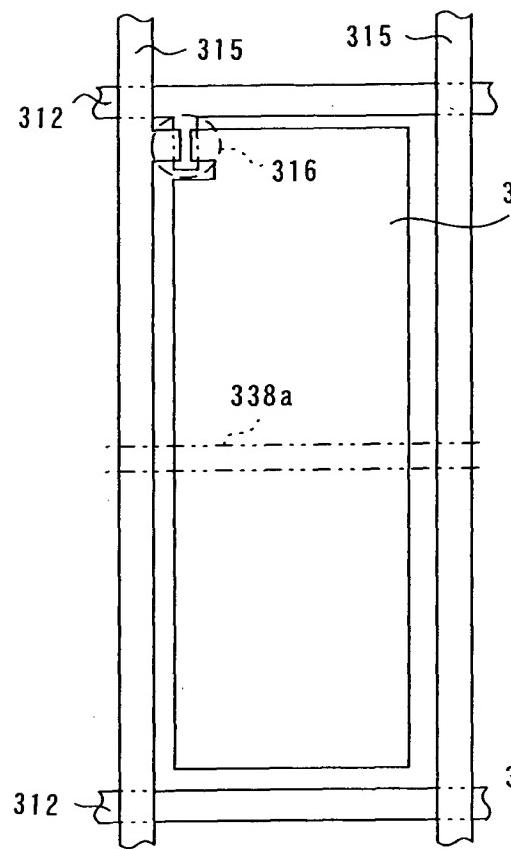


FIG. 57

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**FIG. 58A**



**FIG. 58B**

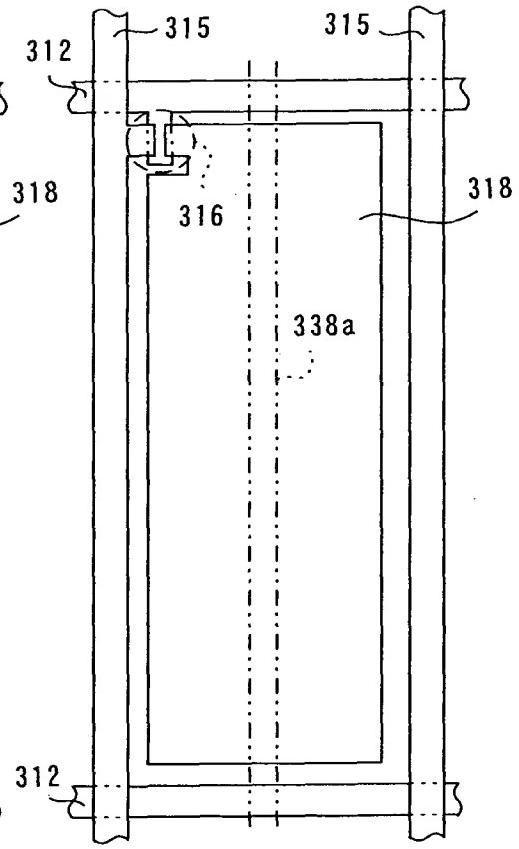
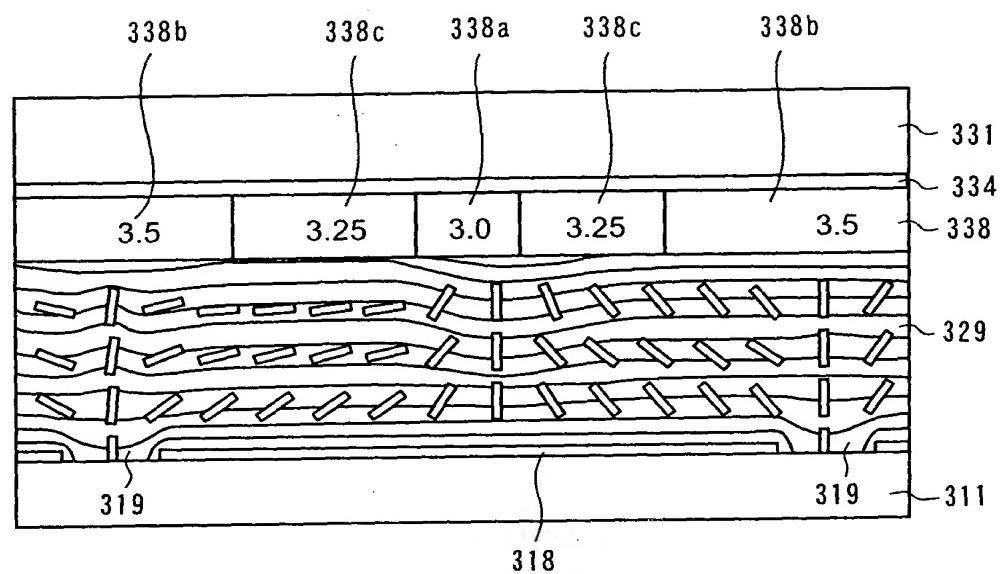


FIG. 59



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